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ABSTRACT

The most recent national manpower projections to 1980 will be useful to local manpower analysts in preparing projections for states and localities. Specific sections of the bulletin include data on national employment by industry and occupations, and a national industry--occupational employment matrix. This report presents revised employment projections superseding the data in an earlier volume which is available as ED 051 404. (JS)

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TOMORROW'S MANPOWER NEEDS

National manpower projections and a guide to their use as a tool in developing State and area manpower projections

VOLUME IV. Revised 1971
THE NATIONAL INDUSTRY- OCCUPATIONAL MATRIX AND OTHER MANPOWER DATA

Bulletin 1737

U.S. DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

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U.S. DEPARTMENT OF LABOR
J. D. Hodgson, Secretary

BUREAU OF LABOR STATISTICS
Geoffrey H. Moore, Commissioner

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Preface

Tomorrow's Manpower Needs, BLS Bulletin 1606, was designed to provide up-to-date information on national projections of manpower requirements for use in making State and area projections. This bulletin presents the Bureau's latest national projections of requirements to 1980 and replaces volume IV of Bulletin 1606. The full series are as follows:

Tomorrow's Manpower Needs: National manpower projections and a guide to their use as a tool in developing State and area manpower projections, BLS Bulletin 1606, Vol. I, Developing Area Manpower Projections, February 1969; Vol. II, National Trends and Outlook: Industry and Occupational Structure, February 1969; Vol. III, National Trends and Outlook: Occupational Employment, February 1969; Vol. IV The National Industry-Occupational Matrix and Other Manpower Data, February 1969; Supplement No. 1, Revised Projections of Construction Manpower Requirements, April 1970; Supplement No. 2, New and Revised National Industry Projections to 1975 and Procedures for Adjusting Wage and Salary Employment to Total Employment, October 1970.

These publications provided a framework of national manpower projections, together with guidelines, for local analysts to use in developing or improving local manpower projections.

This report was coordinated by Richard E. Dempsey under the general direction of Russell B. Flanders, Chief, Division of Manpower and Occupational Outlook, Office of Manpower and Employment Statistics. The 1970 and 1980 industry-occupational matrices were developed under the supervision of George Silvestri and Max Carey. Projections of the labor force manpower in this report were prepared in the Division of Labor Force Studies, under the supervision of Sophia Cooper Travis, Chief. Projections of industrial manpower in this report were prepared in the Division of Manpower and Occupational Outlook; extensive use was made of work on estimates of industrial output and employment carried on by the Division of Economic Growth, under the direction of Ronald E. Kutscher, Chief. Valuable information on technological developments and trends in output per man-hour were provided by the Bureau's Office of Productivity and Technology.

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Introduction

The 1960's saw a significant expansion in manpower training and vocation educational programs. These efforts were designed to provide youths, the disadvantaged, and other workers with occupational skills needed to compete for meaningful careers in tomorrow's job market. Much of the legislation enacted during the decade, including the Manpower Development and Training Act of 1962 and the Vocational Education Act of 1963, stipulated that training be conducted for occupations that are realistic in light of actual or anticipated opportunities for employment. To achieve this goal, educators and other training program planners require reliable information regarding future occupational manpower needs not only for the Nation as a whole, but also for States and localities.

To aid in the development of this information, the Bureau of Labor Statistics, in cooperation with the Manpower Administration, prepared *Tomorrow's Manpower Needs* (TMN), BLS Bulletin 1606, which was published in February 1969. This four volume report presented detailed national manpower projections to 1975, together with a guide to their use in developing similar projections at the State and local level. Since the reports' release in early 1969, the procedures outlined in TMN have been widely adopted by State employment security agencies and others interested in preparing State and local manpower projections. By spring 1971, more than 40 State agencies either had prepared or were preparing such projections.

The procedures outlined in volume I of Bulletin 1606 require that local manpower analysts have up-to-date national manpower information. To meet this requirement, BLS plans to periodically revise and update these data and also report on research findings in this field. Two such reports already have been issued. Supplement No. 1, released in April 1970, presents projections to 1975 for the construction industry and the construction trades that reflect the President's statement on housing goals issued in March 1970. Supplement No. 2, released in October 1970, presents national employment projections by industry to 1975 that have been available since the earlier 1975 projections were published in *Tomorrow's Manpower Needs*. Supplement No. 2 also discusses in detail the adjustment of wage and salary employment to total employment and the reconciliation of projections of labor force supply with those of the industrial work force.

This bulletin is a revised edition of volume IV published in February 1969. It is a compendium of the Bureau's most recent manpower projections to 1980 that local manpower analysts may use, according to the procedures outlined in volume I of TMN, to prepare projections for States and localities. The projections supersede all those published in earlier Bureau reports.

Appendix A of this volume includes a discussion of the assumptions on which the national projections of industry and occupational requirements were based and the methods used to develop these projections. Appendix B presents 1980 projections of national nonagricultural employment of wage and salary workers for over 250 industry sectors. Total employment estimates by industry for 1970 and projections to 1980 for all classes of workers are included in appendix C. Appendix D presents 1970 estimates and 1980 projections of total national employment by occupation. Appendix E includes a table comparing occupational categories in the Census and occupational titles in the BLS industry occupational matrix. Appendix F presents the industry-occupational employment matrices (the percentage distribution of employment by occupation in 155 industries and industry groups representing the total economy) for 1970 and 1980. Appendix G shows the 1970 and 1980 matrices reversed, i.e., the percent distribution of occupational employment, by industry.

As resources permit, the Bureau of Labor Statistics will continue to provide consultation and technical assistance to organizations developing State and area manpower projections. The industry-occupational matrices also may be obtained on computer tape for a small copying fee. Requests for such assistance should be

directed to the appropriate BLS Regional Office, located as follows:

REGION I
1603-JFK Federal Building
Government Center
Boston, Mass. 02203
Phone: 223-6727 (Area code 617)

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Maine	Rhode Island
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New York, N.Y. 10001
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Appendix A. Assumptions and Methods Used to Develop National Industry and Occupational Projections

This bulletin presents the latest national industry and occupational employment requirements projections for 1980 prepared by the BLS. The methods used to develop employment projections represent the efforts of several research staffs in the Bureau, including those working on occupational outlook, labor force studies, economic growth, technological change, and productivity.

Assumptions

The Bureau's projections of manpower requirements are based on a series of assumptions about the economy. The larger the disparity between the assumed and actual conditions the more likely actual employment levels will vary from projected levels, although implications of these differences may be partially offsetting. For example, projections based on the assumption that defense expenditures are growing would have higher output and employment levels than those based on constant expenditures. Because staffing differs in defense and nondefense industries, occupational requirements also could differ.

One of the most important assumptions underlying manpower projections describes the labor force in the target year. The size, sex, and age composition of the labor force are expected to change by 1980 as indicated by the latest labor force projections prepared by the Bureau:[1] (1) The labor force, 100.7 million; (2) Armed Forces, 2.7 million; and (3) civilian labor force, 98.0 million.

The assumed size of the Armed Forces in 1980 (2.7 million) is generally consistent with peacetime conditions in the late 1950's and early 1960's. The validity of this assumption depends greatly upon developments in foreign affairs in the 1970's.

Another important assumption is full employment in the target year, 1980. Based on a 3-percent unemployment rate to represent full employment[2], civilian employment in 1980 was computed as follows: (1) Civilian labor force, 98.0 million; (2) unemployment (3 percent) 2.9 million; and (3) civilian employment, 95.1 million.

Other major assumptions underlying the national manpower projections are: (1) *The international climate* will improve. The United States will no longer be fighting a war, but, on the other hand, a still guarded relationship between the major powers will permit no major reductions in armaments. This would still permit some reduction from the peak levels of defense expenditures during the Vietnam conflict (2) *The institutional framework of the American economy* will not change radically (3) *Economic, social, technological, and scientific trends* will continue, including values placed on work, education, income, and leisure (4) *Fiscal and monetary policies* will achieve a satisfactory balance between low unemployment rates and relative price stability without reducing the long-term economic growth rate (5) *All levels of government* will join efforts to meet a wide variety of domestic requirements, but Congress will channel more funds to State and local governments (6) *Problems posed by air and water pollution and solid waste disposal* may require an increasing amount of the Nation's productive resources, but will not dampen significantly our long-run potential rate of growth.

Projection Methods

Although a variety of techniques were used, two steps generally were followed in projecting the growth of

[1] The U.S. Labor Force to 1985, BLS, Special Labor Force Report 119.

[2] Although projections in this volume are based on a 3-percent model, alternate projections based on a 4-percent unemployment rate are published in *U.S. Economy in 1980* (BLS Bulletin 1673, 1970).

occupations. (1) Total manpower requirements in each detailed industry; (2) trends in the proportion of each occupation in each detailed industry. These proportions (ratios) were then multiplied by projected 1980 total manpower requirements in the industry to derive an estimate of occupational requirements in each industry in 1980. Total requirements in each occupation then were obtained by summing across all industries. Employment requirements in some occupations were also projected independently of the occupation's relationship to particular industries. This technique was particularly useful for occupations that are affected by a limited number of variables and/or are located primarily in one industry or group of industries, such as teachers and automobile mechanics. When both techniques were used, differences in the results were analyzed and reconciled based on judgments of the analysts.

Projections of Detailed Industry Employment

The first step in developing projections of detailed industry employment was to estimate the level of economic activity (real GNP) in 1980.[3] If a 3-percent unemployment rate is to be achieved in 1980, real GNP must be high enough to provide employment for 97 percent of the civilian labor force or 95.1 million workers. Real GNP in 1980 is estimated by combining projections of total employment with projections of changes in hours and output per man-hour. Separate estimates are made for the government and private sectors of the economy.

Three methods of analysis were used to project detailed industry wage and salary employment requirements. Total employment is distributed by industry in several ways, depending on the data available, the level of industry detail required, and the characteristics of the industry.

One method is to translate the GNP and total employment into industry employment requirements through the use of input-output analysis.[4] Essentially, this technique requires that final demand (GNP divided into its components–investment, consumption, etc.) be allocated among major types of goods and services consumed. The demand is then traced back through the chain of production by using an input-output matrix to determine the output required from each industry supplying materials or services to produce the end product. For example, the final demand for automobiles creates an intermediate demand for steel, rubber, etc. The intermediate demand for steel will then create a demand for iron ore, coal, etc. By computing total output requirements for each industry (the sum of final and intermediate demand) and average hours in the target year, and combining these data to expected output per man-hour in each industry, a projection of industry employment is obtained.[5] Four sets of projections based on different economic assumptions were developed for 1980 using this approach: (1) Service economy at 3 percent unemployment; (2) Service economy at a 4 percent unemployment; (3) Durable economy at 3 percent unemployment; and (4) Durable economy at 4 percent unemployment. The projections in this report are consistent with a service economy at a 3 percent unemployment level.

Another procedure involved the use of regression analysis to estimate employment in each industry consistent with assumptions underlying the overall model. Equations were developed which related industry wage and salary employment in the 1947-69 period with different combinations of primary economic variables selected because they were considered strategic in determining long-run changes in aggregate employment. Detailed industry wage and salary employment projections derived from the combination of variables providing the best statistical tests were tentatively selected as final estimates.[6]

Industries were studied individually and factors expected to influence their future growth were examined. This approach was used especially for industries in which past trends in employment were not indicative of future trends and for which the model provided unacceptable results (poor statistical tests or unreasonable employment projections). In this approach, a variety of regression equations were developed and tested. For example, in the motor vehicle manufacturing industry, the variables which were tested in different combinations included personal disposable income, expenditures for producers' durable equipment, driving-age population, number of households, motor vehicle registrations, and number of families who earn more than $10,000

[3] The growth in real GNP between 1970 and 1980 will be an important determinant of employment growth in individual industries over the period, and was used as an independent variable in the regression analysis approach discussed below.

[4] In this system, industries were classified into about 80 sectors.

[5] This description of the input-output process has been simplified. Readers may obtain a copy of *Patterns of U.S. Economic Growth* (BLS Bulletin 1672, 1970), for a complete description of the input-output technique.

[6] Productivity was handled implicitly in the model. The implicit assumption for each detailed industry projection was that the trend in productivity in the 1947–69 period would continue into the future. (The productivity assumption, and consequently employment, were modified for some industries based on information from the Bureau's Office of Productivity, Technology, and Growth.)

annually. Where important, interindustry relationships were taken into account.[7] The equations for which the combination of variables provided the best statistical results were used to project employment in 1980. Results obtained from input-output analysis, individual industry studies, regression equations, and qualitative information concerning technology and the structure of the industry were used to determine employment projections for each industry. Before these projections were final, they were reviewed to make certain that (1) productivity expectations, real GNP and civilian labor force estimates for 1980 were in balance, and (2) projections were consistent with overall assumptions.

Projections of Occupational Requirements

Each industry requires a specific mix of occupations. The relative importance of particular occupations changes over time, however, in response to technological advancement and changes in scale of production, product mix, and organization of industries, among other factors. To reflect these circumstances, occupational patterns for each industry were developed for 1960, 1967, and 1970, and projected 1980[8] on the basis of occupational trends between 1950 through 1970.[9]

Data Sources for the National Industry-Occupational Matrix 1960 and 1970[10]

The Bureau's industry-occupational matrices are tables dividing total U.S. employment into 160 occupations cross-classified by 116 industries. The 1960 and 1970 matrices[11] rely heavily upon the 1960 U.S. Census Bureau's Occupation by Industry Report.[12] However, the 1960 matrix differs from the census report in two major ways: (1) The BLS matrix was made consistent with industry and occupational group employment estimates from the monthly household survey (CPS) so that data between decennial census years could be used; and (2) the BLS table uses employment data from a number of sources considered preferable to census data, including:

BLS surveys of employers for scientists and engineers by industry
Office of education for teachers and librarians
Regulatory agencies for interstate industries, include railroads, airlines, telephone and telegraph communications and pipelines
Professional societies, especially medical and health occupations
Industry and community wage surveys
Federal Civil Service Commission

The 1960 matrix was used as the base for the 1967–70 matrices.[13] Available data from other sources, such as those cited, were incorporated as fixed cells. For the remaining cells, first approximations of the occupational patterns for 1967 (1970) were made by interpolating between the patterns of the 1960 and 1975 matrices. The resulting patterns in mining and manufacturing were made consistent with data on production worker trends from the Bureau's Current Employment Surveys program. The patterns were then applied to individual industry employment controls and summed to occupational totals. (See appendix C). These occupational control totals were then compared with the CPS and other sources of information. When necessary certain occupations were then forced (except fixed cells) on a prorated basis to predetermined occupational control levels. This iterative forcing was repeated until the internal matrix cells were consistent with both the industry and occupational controls. Thus, the national industry-occupational matrices were consistent with (a) national employment by industry, (b) broad occupational employment levels from the CPS, (c) trends in production (and nonproduction) worker employment by industry, (d) anticipated trends in occupations within industries for the 1980 matrix, and (e) detailed employment estimates from the CPS or other sources.

Projection of the National Industry-Occupational Matrix

The occupational structure of each industry was projected from historical statistics and other factors that might influence occupational structure, such as expected new technology and changes in products. (1) For most industries the projected changes in patterns estimated in earlier Bureau studies were applied to the 1967 matrix

[7] For example, steel requirements depend on the output of industries such as automobiles, machinery, and fabricated metals. Therefore, an independent variable in the regression equation for an industry may be employment or production in other industries.

[8] For the national industry-occupational matrix 1970 and 1980, see appendices F and G.

[9] For a description of sources and characteristics of occupational statistics, see *Occupational Employment Statistics, Sources and Data*, BLS Report 305, U.S. Department of Labor, Bureau of Labor Statistics, 1966.

[10] For a more complete description of the industry-occupational matrix, see *Occupational Employment Patterns for 1960 and 1975* (BLS Bulletin 1599).

[11] The 1970 industry-occupational matrix contained in this report is preliminary. A final 1970 matrix will be developed when 1970 decennial census data are available.

[12] U.S. Bureau of the Census, U.S. Census of Population: 1960. *Subject Reports. Occupation by Industry, Final Report PC(2)-7C.* U.S. Government Printing Office, Washington, D.C. 1963.

[13] For a more complete discussion of the methods used to develop the 1967 and 1970 matrices, see *Occupational Employment Statistics 1960–67* (BLS Bulletin 1643).

pattern. (2) For the remaining industries where heavy defense expenditures had not caused atypical trends during the 1965-67 period, 1980 pattern estimates were developed by extrapolating the 1960-67 matrix trends. These data, together with a variety of other statistics[14] covering varying spans of time between 1950[15] and 1970, were gathered and arranged to indicate employment trends by occupation for particular industries or the entire economy. Technological and other causes of past changes in occupational structure were analyzed to determine whether they were likely to affect future occupational structures to a similar, greater, or less extent.

Unless bases were found for modification, the effects on industry employment and occupational composition of social and technological trends in the post-World War II period were assumed to persist to 1980.[16] Thus for many occupational ratios, particularly those of small size, the initial projections—a continuation of past trends in industry occupational composition—were accepted. On the other hand, projection of ratios of large size were often modified from past trends by analyzing underlying factors. As an increase or decrease in proportionate employment for one occupation in a particular industry requires offsetting changes in other occupations in the industry, few of the final occupational ratios that were as large as 1 percent were exact extensions of past trends.

The industry-occupational ratios for 1980 reflect the skills that each industry will require in 1980. In developing these ratios no specific consideration was given to the availability of workers with the required skills. Yet many of the industry-occupational ratios for 1980 (particularly those of small size) are extensions of the changes in ratios reported for the period 1947–70. These ratios, therefore, embody a continuation of unidentified past adjustments to shortages (or increasing relative costs) for some occupations. Moreover, the occupational ratios were developed in relation to particular levels of national industry employment—those given in appendix C to this volume. Employment estimates which differ appreciably from these may indicate a difference in scale of operations or production methods and therefore a difference in the occupational structure of the industry.

[14] Data for recent years were available on employment by occupation from the noncensus sources of occupational data described above.

[15] Some adjustments to the published census statistics were made for greater comparability between 1950 and 1960 as the industry classification of 1960 differed from that of 1950.

[16] Numerous and fragmented sources and varying time spans of industry-occupational data, and different occupational concepts highlight the importance of judgment based on familiarity with occupations and industries in projecting industry-occupational structures.

Projecting Occupational Requirements Directly

For many occupations that are affected by their own complex set of social and economic variables, an analysis of the factors affecting employment was the basis for estimating future requirements. The number of teachers required, for example, is affected by the number of pupils (which in turn is affected by birth rates and trends in the proportion of children who attend school) and by trends in the ratio of teachers to pupils (which depend upon educational practices and financing). The requirements for physicians are related to the size of the population, the age distribution of the population, technological developments, and expenditures for health care. Other occupations that were projected directly include dentists, registered nurses, airplane pilots and mechanics, TV and radio repairmen, and business machine repairmen. For occupations in which the direct projection technique as well as the industry–occupational matrix approach were used, the differences in the employment projections were analyzed and reconciled.

Appendix B. National Nonagricultural Employment of Wage and Salary Workers, by Industry, 1970 and Projected 1980

National nonagricultural employment of wage and salary workers, by industry, 1970 and projected 1980

(In thousands)

SIC code	Industry	1970	1980
	Total nonagricultural employment	70,616.0	86,600.0
B	Mining	622.0	550.0
10	Metal mining	93.9	85.0
101	Iron ores	25.9	25.0
102	Copper ores	36.7	40.0
103-6,8,9	Lead, zinc, and all other metal ores	1/ 31.3	20.0
11, 12	Coal mining	144.5	90.0
11	Anthracite mining	2/ 5.6	5.0
12	Bituminous coal and lignite mining	138.9	85.0
13	Crude petroleum and natural gas	269.6	245.0
131, 2	Crude petroleum and natural gas fields	144.1	130.0
138	Oil and gas field services	125.5	115.0
14	Quarrying and nonmetallic mining	114.1	130.0
C	Contract construction	3,345.0	4,600.0
15	General building contractors	1,003.1	1,200.0
16	Heavy construction contractors	705.2	950.0
17	Special trade contractors	1,636.5	2,450.0
D	Manufacturing	19,369.0	21,935.0
19, 24, 25			
32-39	Durable goods	11,198.0	13,015.0
19	Ordnance and accessories	242.1	250.0
194	Sighting and fire control equipment	2/ 15.2	10.0
24	Lumber and wood products, except furniture	572.5	585.0
241	Logging camps and logging contractors	71.9	70.0
242	Sawmills and planning mills	213.8	180.0
243	Millwork, plywood, and related products	167.1	205.0
244	Wooden containers	33.2	25.0
249	Miscellaneous wood products	86.4	105.0
25	Furniture and fixtures	459.9	615.0
251	Household furniture	320.7	415.0
252-4, 9	All other furniture and fixtures	139.1	200.0
32	Stone, clay, and glass products	638.5	790.0
321-3	Glass and glass products	1/184.9	215.0
324	Cement, hydraulic	33.3	30.0
325	Structural clay products	58.5	70.0
326	Pottery and related products	43.3	35.0
327	Concrete, gypsum, and plaster products	185.5	285.0
328, 9	Other stone and nonmetallic minineral products	133.0	155.0
33	Primary metal industries	1,314.8	1,340.0
331	Blast furnaces and basic steel products	629.4	600.0
332	Iron and steel foundries	228.0	250.0
336	Nonferrous foundries	83.0	120.0
333-5, 9	All other primary metal industries	374.3	370.0
34	Fabricated metal products	1,379.9	1,615.0
341	Metal cans	73.2	65.0
342	Cutlery, hand tools, and general hardware	150.9	175.0
344	Fabricated structural metal products	426.5	500.0
343, 5-9	All other fabricated metal products	729.3	875.0
35	Machinery, except electrical	1,976.9	2,445.0
352	Farm machinery and equipment	129.5	170.0
354	Metalworking machinery and equipment	315.2	380.0
355	Special industry equipment	197.8	245.0
357	Office, computing, and accounting machines	282.0	400.0
351, 3,6,8,9	All other machinery, except electrical	1,052.5	1,250.0
36	Electrical machinery, equipment, and supplies	1,922.9	2,330.0
361	Electrical transmission and distribution equipment	207.1	235.0
3611	Electrical measuring instruments and test equipment	68.6	90.0
3612	Power, distribution, and specialty transformers	56.8	60.0
3613	Switchgear and switchboard apparatus	81.6	85.0
362	Electrical industrial apparatus	217.1	245.0
3621	Motors and generators	118.0	130.0
3622	Industrial controls	57.2	70.0
3624	Carbon and graphite products	2/ 13.9	15.0
3623,9	Welding apparatus; electrical industrial apparatus, n.e.c.	2/ 29.3	30.0
363	Household appliances	184.7	210.0
3632	Household refrigerator and home and farm freezers	59.7	75.0
3633	Household laundry equipment	26.1	30.0
3634	Electric housewares and fans	47.7	55.0

See footnotes at end of table.

National nonagricultural employment of wage and salary workers, by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
3636	Sewing machines	2/ 8.0	10.0
3631, 5, 9	Household cooking equipment; household vacuum cleaners, household appliance, n.e.c.	2/45.0	40.0
364	Electric lighting and wiring equipment	195.3	245.0
3641	Electric lamps	37.3	45.0
3642	Lighting fixtures	63.5	75.0
3643, 4	Current and noncurrent-carrying wiring devices	94.5	125.0
365	Radio and television receiving sets, except communication typse	134.7	180.0
366	Communication equipment	498.2	580.0
3661	Telephone and telegraph apparatus	162.4	130.0
3662	Radio and television transmitting, signaling, and detection equipment and apparatus	335.8	450.0
367	Electronic components and accessories	368.3	505.0
3671 3	Radio and television receiving type electronic tubes, except cathode ray; transmitting industrial, and special purpose electronic tubes	60.4	60.0
3674, 9	Semiconductors and related devices electronic and accessories, n.e.c.	307.9	445.0
369	Miscellaneous electrical machinery, equipment, and supplies	117.5	130.0
3691	Storage batteries	2/23.8	35.0
3692	Primary batteries, dry and wet	2/11.6	15.0
3694	Electrical equipment for internal combustion engines	60.4	65.0
3693, 9	Radiographic X-ray, and other X-ray apparatus and tubes; electro-therapeutic apparatus electrical machinery, equipment and supplies, n.e.c.	2/22.2	15.0
37	Transportation equipment	1,806.8	2,010.0
371	Motor vehicles and equipment	805.1	900.0
372	Aircraft and parts	671.2	760.0
3721	Aircraft	370.4	410.0
3722	Aircraft engines and engine parts	180.9	220.0
3723, 9	Other aircraft parts and equipment	119.8	130.0
373	Ship and boat building and repairing	169.8	205.0
3731	Ship building and repairing	132.4	165.0
3732	Boat building and repairing	37.4	40.0
374	Railroad equipment	51.1	50.0
375, 9	All other transportation equipment	109.6	95.0
38	Instruments and related products	458.6	550.0
386	Photographic equipment and supplies	110.6	150.0
387	Watches, clocks, and watch cases	31.3	40.0
381-5	All other instruments and related products	316.8	360.0
39	Miscellaneous manufacturing industries	425.7	485.0
391	Jewelry, silverware and plated ware	50.7	50.0
394	Toys, amusement and sporting goods	117.0	165.0
396	Costume jewelry, buttons, and miscellaneous notions	61.4	55.0
393, 5, 8, 9	All other miscellaneous manufacturing	196.7	215.0
20-23, 26-31	Nondurable goods manufacturing	8,171.0	8,920.0
20	Food and kindred products	1,781.7	1,755.0
201	Meat products	343.7	330.0
202	Dairy products	241.8	220.0
203	Canned and preserved food, except meats	286.0	300.0
204	Grain mill products	135.3	125.0
205	Bakery products	274.1	255.0
206	Sugar	34.4	45.0
207	Confectionery and related products	82.3	70.0
208	Beverages	237.4	265.0
209	Miscellaneous food and kindred products	146.6	145.0
21	Tobacco manufactures	81.7	65.0
211	Cigarettes	43.2	35.0
212	Cigars	17.8	15.0
213, 4	All other tobacco manufactures	1/20.8	15.0
22	Textile mill products	977.6	925.0
225	Knitting mills	247.3	255.0
226	Finishing textiles, except knitting	83.5	80.0
228	Yarn and thread mills	130.0	108.0
221-4, 7, 9	All other textile mill products	516.8	482.0
23	Apparel and related products	1,372.2	1,700.0
231	Men's and boys' suits and coats	119.4	155.0
232	Men's and boys' furnishings	376.7	475.0
233	Women's, misses' and juniors' outerwear	429.6	525.0

See footnotes at end of table.

National nonagricultural employment of wage and salary workers, by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
234	Women's and children's under garments	115.6	135.0
236	Girls' and children's outerwear	74.8	85.0
235, 7-9	All other apparel and related products	256.0	325.0
26	Paper and allied products	706.5	800.0
264	Converted paper and paperboard products	189.6	245.0
265	Paperboard containers and boxes	225.6	245.0
261-3, 6	All other paper and allied products	291.3	310.0
27	Printing, publishing, and allied products	1,106.8	1,240.0
271	Newspaper publishing and printing	371.9	365.0
272	Periodical publishing and printing	76.4	75.0
273	Books	101.7	150.0
275	Commercial printing	356.1	390.0
274, 6-9	All other printing and publishing	200.7	260.0
28	Chemicals and allied products	1,051.3	1,185.0
281	Industrial inorganic and organic chemicals	323.4	345.0
2812	Alkalies and chlorine	22.2	25.0
2813,5,6	Industrial gases, crudes, and pigments	1/ 68.5	80.0
2818	Industrial organic chemicals, n.e.c.	133.6	135.0
2819	Industrial inorganic chemicals, n.e.c.	99.1	105.0
282	Plastics materials and synthetic resins, synthetic rubber and other man-made fibers, except glass	216.8	275.0
2821	Plastics materials, synthetic resins, and (nonvulcanizable elastomers)	90.6	115.0
2822	Synthetic rubber (vulcanizable elastomers)	2/ 14.3	20.0
2823,4	Cellulosic man-made fibers, except cellulosic	112.1	140.0
283	Drugs	147.2	185.0
2831,3	Biological products; medicinal chemicals and botanical products	2/ 30.9	40.0
2834	Pharmaceutical preparations	115.8	145.0
284	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations	127.6	150.0
2841	Soap, and other detergents, except specialty cleaners	42.3	50.0
2842, 3	Specialty cleaning, polishing, and sanitation preparations, except soap and detergents; surface active agents, finishing agents, finishing agents sulfonated oils and assistants	2/ 31.7	40.0
2844	Perfumes, cosmetics, and other toilet products	53.3	60.0
285	Paints, varnishes, lacquers, enamels, and allied products	70.0	75.0
287	Agricultural chemicals	56.1	70.0
2871, 2	Fertilizers, complete and mixing only	38.8	50.0
2879	Agricultural pesticides, and other agricultural chemicals, n.e.c.	2/ 17.9	20.0
286, 9	Gum and wood and other chemicals	110.3	85.0
286	Gum and wood chemicals	2/ 6.4	5.0
289	Miscellaneous chemical products	2/106.1	80.0
2892	Explosives	2/ 38.0	25.0
2891,3,5,9	Other chemical preparations	2/ 68.1	55.0
29	Petroleum refining and related industries	190.4	155.0
291	Petroleum refining	153.7	115.0
295,9	All other petroleum and coal products	36.7	40.0
30	Rubber and miscellaneous plastics products	580.4	760.0
301	Tires and inner tubes	117.8	105.0
302,3,6	Other rubber products	172.0	215.0
307	Miscellaneous plastics products	290.6	440.0
31	Leather and leather products	322.2	335.0
311	Leather tanning and finishing	26.4	25.0
314	Footwear, except rubber	215.1	225.0
312, 3,5-7,9	All other leather products	80.7	85.0
313	Footwear cut stock	2/ 12.5	15.0
E	Transportation, communication, and public utilities	4,504.0	4,740.0
40-2, 44-7	Transportation	1/2,688.7	2,900.0
40	Railroad transportation	626.8	500.0
41	Local and interurban passenger transportation	278.9	295.0
411	Local and suburban passenger transportation	76.7	85.0
412	Taxicabs	107.4	105.0
413	Intercity and rural highway passenger transportation	43.5	60.0
414, 5, 7	Other services allied to highway transportation	51.2	45.0
42	Motor freight transportation and warehousing	1,095.2	1,235.0
421, 3	Trucking	1,008.9	1,145.0
422	Warehousing	86.3	90.0
45	Transportation, by air	347.7	480.0
451, 2	Air transportation, common carrier	317.2	440.0

See footnotes at end of table.

National nonagricultural employment of wage and salary workers, by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
458	Fixed facilities and services related to air transportation	1/ 30.5	40.0
46	Pipeline transportation	17.8	15.0
44, 7	Water transportation and transportation services, n.e.c.	322.2	375.0
44	Water transportation	215.2	240.0
47	Transportation services, n.e.c.	107.0	135.0
48	Communication	1,120.5	1,130.0
481	Telephone communication	940.3	935.0
482	Telegraph communication	30.6	25.0
483	Radio and television broadcasting	131.4	160.0
489	Communication services, n.e.c.	1/ 18.2	10.0
49	Electric, gas, and sanitary services	694.9	710.0
491	Electric companies and systems	288.9	290.0
492	Gas companies and systems	163.9	165.0
493	Combined utility systems	188.6	185.0
494-7	Water, steam, and sanitary systems	53.5	70.0
F	Wholesale and retail trade	14,922.0	17,625.0
50	Wholesale trade	3,824.0	4,600.0
501	Motor vehicle and automotive equipment	322.3	400.0
502	Drugs, chemicals, and allied products	234.5	275.0
503	Dry goods and apparel	152.6	185.0
504	Groceries and related products	550.2	555.0
506, 7	Electrical goods, hardware, and plumbing and heating equipment	490.9	625.0
508	Machinery, equipment, and supplies	743.8	1,010.0
505, 9	Farm products, raw materials, and miscellaneous	1/1,329.7	1,550.0
52-59	Retail trade	11,098.0	13,025.0
52	Building materials and hardware	540.7	535.0
53	General merchandise stores	2,301.3	2,895.0
533	Limited price variety stores	314.0	335.0
531,2,4,5,9	Department stores, mail order houses, merchandise vending machine operators, direct selling establishments and miscellaneous general merchandise stores	1/1,987.3	2,560.0
54	Food stores	1,734.5	2,035.0
55	Auto dealers and gasoline service stations	1,611.0	2,030.0
551,2,553,9	Motor vehicle and other vehicle accessory dealers	991.6	1,300.0
554	Gasoline service stations	619.4	730.0
56	Apparel and accessory stores	727.8	730.0
57	Furniture and appliance stores	455.8	500.0
58	Eating and drinking places	2,481.6	2,900.0
59	Miscellaneous retail stores	1,245.1	1,400.0
591	Drug stores	454.5	550.0
592-9	Farm and general supply stores and fuel and ice dealers and other miscellaneous retail stores	1/ 790.5	850.0
G	Finance, insurance, and real estate	3,690.0	4,260.0
60, 1,2	Finance	1,618.2	1,920.0
60	Banking	1,046.4	1,220.0
61	Credit agencies other than banks	363.9	500.0
62	Security and commodity brokers, dealers, exchanges, and services	207.9	200.0
63, 4	Insurance carriers and insurance agents, brokers, and services	1,321.3	1,525.0
63	Insurance carriers	1,046.7	1,200.0
64	Insurance agents, brokers, and services	274.6	325.0
65-7	Real estate, combinations of real estate, insurance, loan law offices, and holding and other investment companies	749.9	815.0
65	Real estate	663.9	730.0
66-7	Combinations of real estate, insurance, loans, law offices, and other investment companies	86.0	85.0
66	Combined real estate, insurance, etc.	2/ 36.0	2/ 40.0
67	Holding and other investment companies	2/ 48.7	45.0
H,99,07-09	Services	11,630.0	16,090.0
70	Hotels, rooming houses, camps, and other lodging places	761.9	1,025.0
701	Hotels, tourist courts, and motels	676.9	940.0
702-4	Other lodging places	1/ 85.0	85.0
72	Personal services	992.3	1,370.0
721	Laundries, laundry services, and cleaning and dyeing plants	508.2	650.0
722	Photographic studios	40.2	45.0
723-7, 9	Other personal services	2/ 448.0	675.0
73	Miscellaneous business services	1,611.2	2,910.0
731	Advertising	123.0	135.0
732	Consumer credit reporting and collection agencies	78.2	100.0
734	Services to buildings	292.0	525.0

See footnotes at end of table.

National nonagricultural employment of wage and salary workers, by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
733,5,6,9	Other business services	2/ 1,102.6	2,150.0
75	Automobile repair, automobile services, and garages	2/ 384.0	485.0
751	Automobile rentals, without drivers	2/ 61.0	80.0
752	Automobile parking	2/ 41.2	45.0
753,4	Automobile repair and services	2/ 281.8	360.0
76	Miscellaneous repair services	181.3	225.0
762	Electrical repair shops	2/ 60.9	60.0
763,4,9	Other miscellaneous repair services	2/ 121.1	165.0
78	Motion pictures	203.4	225.0
781	Motion picture filming and distribution	57.1	70.0
782,3	Motion picture theaters and services	146.3	155.0
79	Amusement and recreation services, except motion pictures	2/ 419.9	645.0
791-3	Bowling and other indoor amusements and recreation	2/ 169.2	255.0
794	Miscellaneous amusements and recreation services	2/ 250.7	390.0
80	Medical and other health services	3,052.4	4,325.0
806	Hospitals	1,869.4	2,525.0
801-4,7,9	Other health services	1/ 1,183.0	1,800.0
81	Legal services	237.2	325.0
82	Educational services	1,136.2	1,515.0
821	Elementary and secondary schools (private)	385.8	460.0
822	Higher educational services (private)	642.1	895.0
823,4,9	Other educational services (private)	108.5	160.0
84	Museums, art galleries, botanical and zoological gardens	2/ 17.3	35.0
86	Nonprofit membership organizations	2/ 1,681.6	1,865.0
861-5,9	Nonprofit membership organizations, except welfare and religious organizations	2/ 448.3	425.0
866,7	Welfare and religious organizations	2/ 1,233.3	1,440.0
89	Miscellaneous services	669.6	900.0
891	Engineering and architectural services	303.8	500.0
892	Nonprofit research organizations	105.8	125.0
893	Accounting, auditing, and bookkeeping	2/ 241.6	240.0
899	Services, n.e.c.	2/ 22.4	35.0
07-09	Agricultural services forestry, and fisheries	2/ 170.0	230.0
99	Nonclassifiable establishments	2/ 29.4	10.0
1	Government	12,535.0	16,800.0
91	Federal government	2,705.0	3,000.0
	Executive	2,668.7	2,955.0
	Department of Defense	1,036.5	925.0
	Post Office Department	725.8	935.0
	Other agencies	906.4	1,095.0
	Legislative	29.8	35.0
	Judicial	6.8	10.0
92,3	State and local government	9,830.0	13,800.0
92	State	2,672.0	3,500.0
	State education	1,104.6	1,400.0
	Other State government	1,567.4	2,100.0
93	Local	7,157.7	10,300.0
	Local education	4,003.1	6,200.0
	Other local government	3,154.6	4,100.0

1/ Annual average data are not published for this industry classification. The figure was obtained by subtracting the sum of employment in individual industries for which data are published from total published employment in the major industry group.

2/ Benchmark data for March 1970.

NOTE: Sum of individual items may not add to totals either because of rounding or because data are March benchmark, which may be higher or lower than average employment.

Appendix C. Total National Employment, by Industry, 1970 and Projected 1980

Total national employment by industry, 1970 and projected 1980

(In thousands)

SIC code	Industry	1970	1980
	Industry, total	78,627	95,085
A	Agriculture, forestry and fisheries	3,566	3,120
01, 02, 07 except 0713	Agriculture	3,462	3,000
08	Forestry	57	70
09	Fisheries	47	50
B	Mining	637	560
10	Metal mining	95	85
11, 12	Coal mining	146	90
13	Crude petroleum and natural gas	277	250
14	Quarrying and nonmetallic mining	119	135
C (15 - 17)	Construction industry 1/	4,568	6,100
D	Manufacturing	19,735	22,175
19, 24, 25, 32 - 39	Durable goods manufacturing	11,473	13,240
24	Lumber and wood products, excluding furniture	642	640
241	Logging camps and contractors	126	115
242,244,249	Sawmills, millwork, and miscellaneous wood products	516	525
25	Furniture and fixtures	463	620
32	Stone, clay, and glass products	642	795
321-3	Glass and glass products	182	215
324-7	Cement, concrete and plaster	220	320
325	Structural clay products	58	70
326	Pottery and related products	44	35
328,9	Miscellaneous nonmetallic mineral and stone products	138	155
33	Primary metals industries	1,295	1,330
3312,3	Blast furnaces and steel works	554	530
3315-7,332, 3391,9	Other primary metals industries	356	380
333-6,3392	Primary nonferrous metals	385	420
34,19 except 194	Fabricated metal products 2/	1,681	1,895
35	Machinery, except electrical	1,984	2,445
352	Farm machinery and equipment	128	170
357	Office machinery	283	395
351,3-6,8,9	Miscellaneous machinery	1,573	1,880
36	Electrical machinery, equipment, and supplies	1,904	2,315
37	Transportation equipment	1,938	2,130
371	Motor vehicles and equipment	805	890
372	Aircraft and parts	687	755
373	Ship and boat building	291	340
374,5,9	Railroad and other transportation equipment	155	145
38	Instruments and allied products 3/	475	565
381-6, 194	Instruments and fire control	441	525
387	Watches and clock devices	34	40
39	Miscellaneous manufacturing	449	505
20-23, 26-31	Nondurable goods manufacturing	8,262	8,935
20	Food and kindred products	1,802	1,760
201	Meat products	343	330
202	Dairy products	245	225
203	Canning, preserving, and freezing	282	300
204	Grain mill products	139	125
205	Bakery products	284	260
208	Beverage industries	241	260
206,7,9	Other food products	268	260
21	Tobacco manufacturers	78	65
22	Textile mill products	958	905
23	Apparel and related products	1,392	1,685
26	Paper and allied products	705	790
261-3,6	Pulp, paper, and paperboard mills	293	305
265	Paperboard containers and boxes	224	240
264	All other paper products	188	245
27	Printing, publishing and allied products	1,179	1,315
28	Chemicals and allied products	1,058	1,180
2823,4	Synthetic fibers	113	135
283	Drugs and medicine	149	185
285	Paints, varnishes, and related products	70	75

See footnotes at end of table.

Total national employment by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
281,2821,2			
284,6,7,9	Other chemicals	726	785
29	Petroleum refining and related industry	191	150
291	Petroleum refining	152	110
295,9	Other petroleum and coal products	39	40
30	Rubber and miscellaneous plastic products	568	750
301-3,6	Rubber products	281	315
307	Miscellaneous plastic products	287	435
31	Leather and leather products	331	335
311	Leather tanning and finishing	27	25
313,4	Footwear, except rubber	232	235
312,5-7,9	All other leather products	72	75
E (40-49)	Transportation, communication, and public utilities	5,065	5,465
40-47	Transportation	2,909	3,095
40	Railroad transportation	613	475
41	Local and suburban transit and interurban passenger transportation	401	410
411,3-5,7	Local and interurban except taxis	265	290
412	Taxis	136	120
42	Motor freight transportation and storage	1,187	1,325
421,3	Trucking	1,093	1,230
422	Warehousing	94	95
44	Water transportation	225	240
45	Transportation by air	349	475
46	Pipelines	17	15
47	Transportation services	117	155
48-49	Communication and public utilities	2,156	2,370
48	Communication	1,088	1,175
481	Telephone	900	985
482,9	Telegraph	50	35
483	Radio and television	138	155
49	Electric, gas, and sanitary services	1,068	1,195
491-3,6	Electric, gas, and steam	699	675
494, 7	Water and irrigation	135	225
495	Sanitary services	234	295
F (50-59)	Wholesale and retail trade	16,030	18,180
50	Wholesale trade	3,959	4,610
501	Motor vehicles and equipment	336	400
502	Drugs and chemicals	230	275
503	Dry goods and apparel	156	185
504	Groceries and related	574	560
506,7	Electrical goods, plumbing, and heating supplies	501	620
508	Machinery and equipment	756	1,000
505,9	Farm produce and miscellaneous	1,406	1,570
52-59	Retail trade	12,071	13,570
52	Building materials, hardware, and farm equipment	602	545
53	General merchandising	2,352	2,815
533	Limited price stores	320	325
53 except 533	Other general merchandise	2,032	2,490
54	Food and drug stores	1,919	2,180
55	Automobile dealers and gas stations	1,795	2,155
55 except 554	Automobile dealers	1,033	1,290
554	Gas stations	762	865
56	Apparel and accessories	748	725
57	Furniture, etc.	524	560
58	Eating and drinking places	2,644	3,000
59	Miscellaneous retail stores	1,487	1,590
591	Drug stores	434	535
59 except 591	Other retail stores	1,053	1,055
G (60-67)	Finance, insurance, and real estate	3,862	4,405
60,61,62,67	Finance	1,636	1,910
60, 61	Banks and credit agencies	1,385	1,660
62, 67	Stock brokers and investment companies	251	250
63, 64	Insurance	1,372	1,550
65, 66	Real estate 4/	854	945
H (70, 72, 73 75, 76, 78-82, 84, 86, 88, 89)	Services	20,739	29,435
88	Private household	1,781	2,150

See footnotes at end of table.

Total national employment by industry, 1970 and projected 1980--Continued

(In thousands)

SIC code	Industry	1970	1980
H (70, 72, 73 75, 76, 78-82, 84, 86, 89)	Services, except private households	18,958	27,285
70	Hotels and other lodging places	995	1,320
72	Personal services	1,406	1,980
721, 7	Laundry, cleaning, and valet services	587	730
722-6,9	All other personal services	819	1,250
73	Miscellaneous business services	1,600	3,060
731-6,9	Advertising	123	140
732-6,9	Other miscellaneous business services	1,477	2,920
75	Automobile repair services and garage	513	635
76	Miscellaneous repair services	325	355
78,79	Entertainment and recreation	748	1,085
78,792	Motion pictures and theaters	252	250
793,1,4	Miscellaneous entertainment and recreation	496	835
80	Medical and other health services 5/	4,403	6,350
806	Hospitals	2,732	3,850
80 except 806	Other medical and health services	1,671	2,500
81	Legal services	387	525
82,84	Educational services	6,137	9,050
86	Nonprofit membership organizations	1,654	1,830
866,7	Welfare and religious	1,221	1,415
861-5, 9	Other nonprofit	433	415
89	Miscellaneous services	790	1,095
891	Engineering and architectural	317	540
893	Accounting and bookkeeping	267	300
892,9	All other professional services	206	255
I (91-94)	Public administration 6/	4,425	5,645
91	Postal services	704	875
94	Other federal public administration	1,566	1,750
92	State government	672	920
93	Local government	1,483	2,100

1/ Includes construction employment in government agencies.
2/ Includes employment in ordnance (SIC 19, except 194 which is included in instruments, except clocks).
3/ Includes employment in ordnance (SIC 194).
4/ Includes employment in combination of real estate, insurance, loans, and law offices (SIC 67).
5/ Includes medical and other health services in government agencies.
6/ Includes public administration employment only. Government agencies engaged in educational and medical services and in activities commonly carried on also by private enterprises such as transportation and manufacturing, are classified in the appropriate industrial category.

Appendix D. Total National Employment, by Occupation, 1970 and Projected 1980

Total national employment, by occupation, 1970 and projected 1980

(In thousands)

Occupation	1970 Employment	Projected 1980 requirements
Employment, total	78,627.0	95,085.0
Professional, technical, and kindred workers	11,140.0	15,500.0
Engineers, technical	1,081.2	1,498.1
Engineers, aeronautical	63.9	77.6
Engineers, chemical	50.9	59.3
Engineers, civil	179.9	235.6
Engineers, electrical	233.8	321.3
Engineers, industrial	115.7	187.7
Engineers, mechanical	206.7	276.8
Engineers, metallurgical	25.5	32.5
Engineers, mining	14.6	14.5
Other engineers, technical	190.2	292.8
Natural scientists	364.8	504.4
Chemists	118.3	166.9
Agricultural scientists	39.2	45.9
Biological scientists	49.9	70.6
Geologists and geophysicists	25.4	29.5
Mathematicians	48.6	71.7
Physicists	35.9	56.2
Other natural scientists	47.5	63.6
Technicians, except medical and dental	1,011.7	1,417.1
Draftsmen	309.5	435.9
Surveyors	51.2	68.2
Air traffic controllers	20.0	25.0
Radio operators	22.3	31.0
Technicians, other	608.7	857.0
Medical and other health workers	1,776.4	2,512.2
Dentist	96.7	127.6
Dietitians and nutritionists	30.0	37.4
Nurses, professional	688.7	983.0
Optometrists	17.5	21.0
Osteopaths	13.5	19.4
Pharmacists	128.8	139.8
Physicians and surgeons	266.0	395.0
Psychologists	33.2	56.0
Technicians, medical and dental	263.0	474.0
Veterinarians	24.0	33.0
Other medical and health workers	215.0	226.0
Teachers	3,072.0	3,382.0
Teachers, elementary	1,260.0	1,249.0
Teachers, secondary	1,015.0	1,081.0
Teachers, college	552.0	706.0
Teachers, other	245.0	346.0
Social scientists	63.2	87.0
Economists	25.0	36.0
Statisticians and actuaries	29.2	38.0
Other social scientists	9.0	13.0
Other professional, technical and kindred workers	3,770.7	6,099.2
Accountants and auditors	491.0	800.0
Airplane pilots and navigators	57.0	100.0
Architects	33.0	50.0
Clergymen	208.0	220.0
Designers, except design draftsmen	93.0	135.0
Editors and reporters	112.0	126.0
Lawyers and judges	286.9	342.0
Librarians	125.0	174.8
Personnel and labor relations workers	160.0	270.0
Photographers	65.0	72.0
Social and welfare workers	170.0	253.0
Workers and teachers in the arts and entertainment	750.0	909.0
Professional, technical, and kindred workers, not elsewhere classified	1,219.8	2,647.4
Managers, officials, and proprietors	8,289.0	9,500.0
Conductors, railroad	40.0	39.0
Creditmen	68.0	100.0
Officers, pilots, engineers, ship	34.0	32.0
Purchasing agents	167.0	185.0

Total national employment, by occupation, 1970 and projected 1980--Continued

(In thousands)

Occupation	1970 Employment	Projected 1980 requirements
Postmasters and assistants	35.0	35.0
Managers, officials and proprietors, not elsewhere classified	7,945.0	9,109.0
Clerical and kindred workers	13,715.0	17,285.0
Stenographers, typists, and secretaries	3,504.0	4,580.0
Office machine operators	565.0	860.0
Other clerical and kindred workers	9,646.0	11,845.0
Accounting clerks	480.0	530.0
Bookkeepers, hand	860.0	970.0
Bank tellers	285.0	337.0
Cashiers	847.0	1,110.0
Mail carriers	254.0	320.0
Postal clerks	300.0	385.0
Shipping and receiving clerks	379.0	430.0
Telephone operators	420.0	480.0
Clerical and kindred workers, not elsewhere classified	5,881.0	7,283.0
Sales workers	4,854.0	5,760.0
Craftsmen, foremen and kindred workers	10,158.0	12,240.0
Construction craftsmen	2,765.0	3,621.0
Carpenters	830.0	1,075.0
Brickmasons, stonemasons, and tile setters	200.0	260.0
Cement and concrete finishers	65.0	90.0
Electricians	440.0	585.0
Excavating, grading, and road machinery operators	310.0	415.0
Painters and paperhangers	390.0	500.0
Plasterers	35.0	40.0
Plumbers and pipefitters	350.0	470.0
Roofers and slaters	60.0	76.0
Structural metalworkers	85.0	110.0
Foremen, not elsewhere classified	1,488.0	1,700.0
Metalworking craftsmen, except mechanics	1,215.0	1,426.6
Machinists	585.0	660.0
Blacksmiths, forgemen and hammermen	26.0	25.7
Boilermakers	24.0	26.5
Heat treaters, annealers, temperers	22.0	24.4
Millwrights	80.0	94.0
Molders, metal except coremakers	56.0	62.5
Patternmakers, metal and wood	43.0	56.8
Rollers and roll hands	30.0	31.7
Sheet metal workers	154.0	195.0
Toolmakers, diemakers, setters	195.0	250.0
Printing trades craftsmen	312.0	330.3
Compositors and typesetters	175.0	165.0
Electrotypers and stereotypers	5.0	4.0
Engravers, except photoengravers	13.0	16.3
Photoengravers and lithographers	34.0	50.0
Pressmen and plate printers	85.0	95.0
Transportation and public utility craftsmen	441.1	557.0
Linemen and servicemen, telephone and power	380.9	500.0
Locomotive engineers	43.0	43.0
Locomotive firemen	17.2	14.0
Mechanics and repairmen	2,792.0	3,397.9
Airplane mechanics and repairmen	140.0	194.0
Motor vehicle mechanics	830.0	1,020.0
Office machine mechanics	80.0	128.0
Radio and television mechanics	132.0	163.0
Railroad and car shop mechanics	35.0	32.9
Other mechanics and repairmen	1,575.0	1,860.0
Other craftsmen and kindred workers	1,144.9	1,207.2
Bakers	101.0	104.0
Cabinetmakers	70.0	72.7
Cranemen, derrickmen, and hoistmen	145.0	179.0
Glaziers	21.0	30.0
Jewelers and watchmakers	35.0	34.7
Loom fixers	24.0	21.5
Opticians, lens grinders, and polishers	23.0	27.5
Inspectors, log and lumber	20.0	23.0
Inspectors, other	95.0	75.4
Upholsterers	63.0	65.0
Craftsmen and kindred workers, not elsewhere classified	547.9	574.4

Total national employment, by occupation, 1970 and projected 1980--Continued

(In thousands)

Occupation	1970 Employment	Projected 1980 requirements
Operatives and kindred workers	13,909.0	15,440.0
Drivers and deliverymen	2,510.0	2,900.0
Drivers, bus, truck, and tractor	1,855.0	2,150.0
Deliverymen, routemen, and cab drivers	655.0	750.0
Transportation and public utility operatives	142.0	137.0
Brakemen and switchmen, railroad	88.0	85.0
Power station operators	23.0	25.0
Sailors and deck hands	31.0	27.0
Semiskilled metalworking occupations	1,892.0	2,239.0
Assemblers, metalworking, class A	136.0	171.0
Assemblers, metalworking, class B	580.0	683.0
Inspectors, metalworking, class B	221.0	252.0
Machine tool operators, class B	310.0	336.0
Electroplaters	17.0	19.0
Electroplater helpers	25.0	30.0
Furnacemen, smeltermen, and pourers	60.0	64.0
Heaters, metal	8.0	9.0
Welders and flame-cutters	535.0	675.0
Semiskilled textile occupations	957.5	1,087.0
Knitters, loopers, and toppers	47.5	46.0
Spinners, textile	50.0	41.0
Weavers, textile	60.0	50.0
Sewers,and stitchers, manufacturing	800.0	950.0
Other operatives and kindred workers	8,407.5	9,077.0
Asbestos and insultation workers	25.0	34.0
Attendants, automobile service and parking	430.0	500.0
Blasters and powdermen	5.0	6.0
Laundry and dry cleaning operators	360.0	433.0
Mine operatives and laborers, not elsewhere classified	195.0	141.0
Meat cutters, except meat packing	190.0	200.0
Operatives and kindred workers, not elsewhere classified	7,202.5	7,763.0
Service workers	9,712.0	13,060.0
Private household workers	1,558.0	1,980.0
Protective service workers	968.0	1,300.0
Firemen	180.0	275.0
Policemen and other law enforcement officials	415.0	600.0
Guards, watchmen, and doorkeepers	373.0	425.0
Food service workers	2,231.0	2,781.0
Bartenders	160.0	200.0
Cooks, except private household	740.0	930.0
Counter and fountain workers	291.0	411.0
Waiters and waitresses	1,040.0	1,240.0
Other service workers	4,955.0	6,999.0
Airline stewards and stewardesses	35.0	65.0
Attendants, hospital and other institutions	830.0	1,500.0
Charwomen and cleaners	272.0	400.0
Janitors and sextons	828.0	1,100.0
Nurses, practical	370.0	670.0
Other service workers, not elsewhere classified	2,620.0	3,264.0
Laborers, except farm and mine	3,724.0	3,700.0
Farmers and farm workers	3,126.0	2,600.0

Appendix E. Comparability of Occupational Titles in BLS Tables of Occupational Composition of Industry Employment with Census Occupational Categories

Comparability of occupational titles in BLS tables of occupational composition of industry employment with Census occupational categories

Occupational titles in BLS tables	Comparable census occupational categories
PROFESSIONAL, TECHNICAL, AND KINDRED	
Engineers, aeronautical	Same
Engineers, chemical	same
Engineers, civil	same
Engineers, electrical	same
Engineers, industrial	same
Engineers, mechanical	same
Engineers, metallurgical, etc.	same
Engineers, mining	same
Other engineers, technical	Sales engineers, plus engineers, not elsewhere classified
Chemists	Same
Agricultural scientists	Agricultural scientists, plus part of foresters and conservationists
Biological scientists	Same
Geologists and geophysicists	same
Mathematicians	same
Physicists	same
Other natural scientists	same
Draftsmen	same
Surveyors	same
Air traffic controllers)	
Radio operators)	Radio operator
Technicians, other	Technicians, electrical and electronic, technicians, other engineering, and physical science; and technicians, other
Dentist	Same
Dietitians and nutritionists	same
Nurses, professional	same
Optometrists	same
Osteopaths	same
Pharmacists	same
Physicians and surgeons	same
Psychologists	same
Technicians, medical and dental	same
Veterinarians	same
Other medical, health workers	Chiropractors; therapists, nurses, student professional
Teachers, elementary	Same
Teachers, secondary	same
Teachers, college	Part of college presidents, professors, and instructors not elsewhere classified
Teachers, other	Same
Economists	same
Statisticians and actuaries	same
Other social scientists	Miscellaneous social scientists
Accountants and auditors	Same
Airplane pilots and navigators	same
Architects	same
Workers in arts and entertainment	Includes actors, actresses, artists, and art teachers; athletes; authors; dancers and dance teachers; entertainers, not elsewhere classified; musicians and music teachers and sports instructors and officials
Clergymen	Same
Designers, except design draftsmen	same
Editors and reporters	same
Lawyers and judges	same
Librarians	same
Personnel and labor relations workers	same
Photographers	same
Social and welfare workers	same
Professional and technical workers, not elsewhere classified	Includes part of college teachers, farm and home management advisors; part of foresters and conservationists; funeral directors and embalmers; public relations and publicity writers; recreation and group workers; religious workers; and professional technical, and kindred, not elsewhere classified

Comparability of occupational titles in BLS tables of occupational composition of industry employment with Census occupational categories--Continued

Occupational titles in BLS tables	Comparable census occupational categories
MANAGERS, OFFICIALS, AND PROPRIETORS	Same
Conductors, railroad	same
Credit men	same
Officers, pilots, engineers, ship	Officers, pilots, pursers and engineers, ship
Postmasters and assistants	Same
Purchasing agents	Purchasing agents and buyers, not elsewhere classified
Managers, officials, and proprietors, not elsewhere classified	Includes buyers and department heads, store; buyers and shippers, farm products; floor men and floor managers, store; inspectors, public administration; managers and superintendents, building; officials and administrators, not elsewhere classified; public administration; officials, lodge, society, union, etc.; managers, officials, and proprietors, not elsewhere classified
CLERICAL AND KINDRED WORKERS	Same
Stenos, typists, and secretaries	Three separate titles
Office machine	same
Accounting clerks	Part of bookkeepers
Bookkeepers, hand	Part of bookkeepers
Bank tellers	Same
Cashiers	same
Mail carriers	same
Postal clerks	same
Shipping and receiving clerks	same
Telephone operators	same
Clerical and kindred workers, not elsewhere classified	Includes agents, not elsewhere classified; attendants and assistants, library; attendants and physicians and dental office; baggagemen transportation; collectors, bill and account; dispatchers and starters, vehicles; express messengers and railway mail clerks; file clerks, insurance adjusters, examiners and investigators; messengers and office boys; payroll and timekeeping clerks; receptionists; stock clerks and storekeepers; telegraph messengers; telegraph operators; ticket, station, and express agents; and clerical and kindred, not elsewhere classified
SALES WORKERS	Same
CRAFTSMEN, FOREMEN, AND KINDRED WORKERS	same
Carpenters	same
Brickmasons and tile setters	same
Cement and concrete finishers	same
Electricians	same
Excavating, grading machinery operators	same
Painters and paperhangers	Painters, construction and maintenance and paperhangers (two titles)
Plasterers	Same
Plumbers and pipefitters	same
Roofers and slaters	same
Structural metalworkers	same
Foremen, not elsewhere classified	same
Machinists and related occupations	Machinists and job setters, metal (two titles)
Blacksmiths, forge, hammermen	Blacksmiths and forgemen and hammermen (two titles)
Boilermakers	Same
Heat treaters, annealers	same
Millwrights	same
Molders, metal (excluding coremakers)	same
Patternmakers, metal and wood	same
Rollers and roll hands	same
Sheet metal workers	Tinsmiths, coppersmiths, and sheet metal workers
Toolmakers and diemakers	Toolmakers and diemakers and setters
Compositors and typesetters	Same
Electrotypers and stereotypers	same
Engravers, except photoengravers	same
Photoengravers and lithogravers	same
Pressmen and plate printers	same
Linemen and servicemen	same
Locomotive engineers	same

Comparability of occupational titles in BLS tables of occupational composition of industry employment with Census occupational categories--Continued

Occupational titles in BLS tables	Comparable census occupational categories
CRAFTSMEN, FOREMEN, AND KINDRED WORKERS--continued	
Locomotive firemen	Same
Airplane mechanics and repairmen	same
Motor vehicle mechanics	same
Office machine mechanics	
Radio and TV mechanics	same
Railroad and car shop mechanics	same
Other mechanics and repairmen	Air-conditioning, heating, and refrigeration mechanics, and repairmen and mechanics and repairmen, not elsewhere classified
Bakers	Same
Cabinetmakers	same
Cranemen, derrickmen, hoistmen	same
Glaziers	same
Jewelers and watchmakers	same
Loom fixers	same
Opticians, lens grinders	same
Inspectors, log and lumber	same
Inspectors, other	same
Upholsterers	same
Craftsmen and kindred workers, not elsewhere classified	Bookbinders; decorators and window dressers; furriers; millers, grain, flour, feed, etc.; motion picture projectionists; piano and organ tuners and repairmen; shoemakers and repairers, except factory; stationary engineers; stone cutters and stone carvers; and craftsmen and kindred workers, not elsewhere classified
OPERATIVES AND KINDRED WORKERS	Same
Drivers, bus, truck, tractor	Bus drivers and truck and tractor drivers (two titles)
Deliverymen and routemen	Deliverymen and routemen, and taxicab drivers and chauffeurs (two titles)
Brakemen and switchmen, railroad	Brakemen, railroad and switchmen (two titles)
Power station operators	Same
Sailors and deck hands	same
Furnacemen, smelterers, pourers	same
Heaters, metal	same
Welders and flame-cutters	same
Assemblers, metalworking, class A	Part of assemblers
Assemblers, metalworking, class B	Part of assemblers
Inspectors, metalworking, class B	Part of checkers, examiners, and inspectors, manufacturers
Machine tool operators, class B	Part of operatives, not elsewhere classified
Electroplaters	Part of operatives, not elsewhere classified
Electroplaters helper	Part of operatives, not elsewhere classified
Knitters, loopers and toppers	Same
Spinners, textile	same
Weavers, textile	same
Sewers and stitchers, manufacturers	same
Asbestos, insulation workers	same
Attendants, auto service, parking	same
Blasters and powdermen	same
Laundry, dry cleaning operatives	same
Meat cutters, except meat packing	same
Mine operatives, laborers, not elsewhere classified	same
Other operatives and kindred workers, not elsewhere classified	Includes apprentices; part of assemblers; boatmen, canalmen, and lock keepers; chainmen, rodmen, and axmen, surveying; part of checkers, examiners, and inspectors, manufacturing; conductors, bus and street railway; dressmakers and seamstresses, except factory; dyers; filers grinders and polishers, metal; fruit, nut, and vegetable graders and packers, except factory; graders and sorters, manufacturing; milliners; motormen, mine, factory, logging camp, etc.; motormen street, subway, and elevated railway; oilers and greasers, except auto; packers and wrappers; not elsewhere classified; painters, except construction and maintenance; photographic process workers; sawyers; stationary firemen; and part of operatives and kindred workers, not elsewhere classified

Comparability of occupational titles in BLS tables of occupational composition of industry employment with Census occupational categories--Continued

Occupational titles in BLS tables	Comparable census occupational categories
SERVICE WORKERS	Same
Private household workers	same
Firemen	Firemen, fire protection
Guards, watchmen and doorkeepers	Guards, watchmen and doorkeepers and watchmen (crossing) and bridge tenders (two titles)
Policemen and other law enforcement officials	Marshals and constables; policemen and detectives; sheriffs and bailiffs
Bartenders	Same
Cooks, except private household	same
Counter and fountain workers	same
Waiters and waitresses	same
Airline stewards and stewardesses	Part of housekeepers and stewards, except private household
Attendants, hospital and other institutions	Same
Charwomen and cleaners	same
Janitors and sextons	same
Practical nurses	same
Other service workers, not elsewhere classified	Attendants, professional and personal services, not elsewhere classified; attendants, recreation and amusement; barbers; boarding and lodging housekeepers; bootblacks; chambermaids and maids, except private household; elevator operators; hair-dressers and cosmetologists; part of housekeepers and stewards, except private household; kitchen workers, not elsewhere classified, except private household; midwives; porters; ushers, recreation and amusement; and service workers, except private household, not elsewhere classified
LABORERS, EXCEPT FARM AND MINE	Same
FARMERS AND FARM WORKERS	Farmers and farm managers, and farm laborers and foremen

Appendix F. National Industry-Oocupational Employment Matrix, 1970 and Projected 1980

(Percent Distribution of Industry Employment by Occupation)

This appendix presents a table showing the occupational distribution of industrial employment in each major industry for 1970 and projected 1980. These occupational patterns are for the Nation as a whole and cover the total economy.

The occupational ratios are presented to the nearest one-hundredth of a percent to provide a comprehensive distribution of the Nation's work force. However, they are not meant to imply that degree of accuracy. Zero cells in the industry-occupational matrices indicate that employment in the respective occupation accounts for less than .005 percent of total employment in the industry classification.

Special care must be taken in interpreting occupational ratio changes between 1970 and 1980. The ratios represent only the relative importance of each occupation in an industry. To measure the change in actual employment requirements in an occupation, the ratios must be applied to estimates and projections of total national employment in the appropriate industry. (See appendix C.)

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	14.17	16.30	1.94	3.12	1.17	2.03	47.28	48.62	3.94	4.81
ENGINEERS,TECHNICAL	1.38	1.56	.04	.05	.01	.01	2.17	1.79	.13	.14
ENGINEERS,AERONAUTICAL	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.06	.06	.00	.00	.00	.00	.11	.02	.13	.00
ENGINEERS,CIVIL	.23	.25	.03	.04	.00	.00	1.80	1.51	.00	.14
ENGINEERS,ELECTRICAL	.30	.34	.00	.00	.00	.00	.04	.03	.00	.00
ENGINEERS,INDUSTRIAL	.15	.20	.00	.00	.00	.00	.01	.01	.00	.00
ENGINEERS,MECHANICAL	.26	.29	.00	.00	.00	.00	.09	.09	.00	.00
ENGINEERS,METALLURG,ETC	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.02	.02	.00	.00	.00	.00	.04	.04	.00	.00
OTHER ENGINEERS,TECHNICAL	.24	.31	.01	.01	.00	.01	.08	.10	.00	.00
NATURAL SCIENTISTS	.46	.53	.32	.37	.06	.11	14.31	10.06	2.17	2.69
CHEMISTS	.15	.18	.01	.02	.00	.02	.09	.19	.01	.03
AGRICULTURAL SCIENTISTS	.05	.05	.24	.23	.03	.04	12.93	8.57	.07	.11
BIOLOGICAL SCIENTISTS	.06	.07	.07	.11	.03	.05	1.09	1.15	1.82	2.54
GEOLOGISTS,GEOPHYSICISTS	.03	.03	.00	.00	.00	.00	.02	.02	.25	.00
MATHEMATICIANS	.06	.08	.00	.00	.00	.00	.08	.06	.02	.02
PHYSICISTS	.05	.06	.00	.00	.00	.00	.02	.00	.00	.00
OTHER NATURAL SCIENTISTS	.06	.07	.00	.00	.00	.00	.07	.06	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	1.29	1.49	.26	.49	.20	.36	4.38	6.24	.13	.01
DRAFTSMEN	.39	.46	.00	.00	.00	.00	.18	.17	.12	.00
SURVEYORS	.07	.07	.01	.02	.00	.00	.86	.73	.00	.00
AIR TRAFFIC CONTROLLERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.03	.03	.00	.00	.00	.00	.08	.08	.00	.00
TECHNICIANS,OTHER	.77	.90	.24	.46	.20	.36	3.26	5.26	.01	.01
MEDICAL,OTHER HEALTH WORKERS	2.26	2.64	.51	.82	.53	.86	.00	.00	.00	.00
DENTISTS	.12	.13	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.88	1.03	.00	.00	.00	.00	.00	.00	.00	.00
OPTOMETRISTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.16	.15	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.34	.42	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.04	.06	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.33	.50	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.03	.03	.51	.82	.53	.85	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.27	.24	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	3.91	3.56	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,ELEMENTARY	1.60	1.31	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	1.29	1.14	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.70	.74	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.31	.36	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL SCIENTISTS	.08	.09	.00	.00	.00	.00	.12	.13	.03	.02
ECONOMISTS	.03	.04	.00	.00	.00	.00	.08	.08	.00	.00
STATISTICIANS + ACTUARIES	.04	.04	.00	.00	.00	.00	.04	.05	.03	.02
OTHER SOCIAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	4.80	6.41	.80	1.38	.37	.69	26.30	30.40	1.47	1.95
ACCOUNTANTS AND AUDITORS	.62	.84	.02	.05	.01	.03	.42	.81	.08	.17
AIRPLANE PILOTS,NAVIGATORS	.07	.11	.07	.20	.07	.19	.32	.74	.00	.00
ARCHITECTS	.04	.05	.00	.00	.00	.00	.11	.18	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.95	.96	.11	.16	.12	.16	.10	.12	.00	.00
CLERGYMEN	.26	.23	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.12	.14	.02	.04	.02	.03	.26	.44	.00	.00
EDITORS AND REPORTERS	.14	.13	.00	.00	.00	.00	.03	.03	.00	.00
LAWYERS AND JUDGES	.36	.36	.00	.00	.00	.00	.18	.19	.00	.00
LIBRARIANS	.16	.18	.00	.00	.00	.00	.14	.16	.00	.00
PERSONNEL AND LAB REL WRKS	.20	.28	.00	.01	.00	.00	.10	.16	.00	.00
PHOTOGRAPHERS	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL AND WELFARE WORKERS	.22	.27	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	1.55	2.78	.56	.92	.15	.28	24.61	27.58	1.40	1.78
MANAGERS,OFFICIALS,PROPRIETORS	10.54	9.99	.74	.85	.58	.63	4.90	4.76	7.66	8.22
CONDUCTORS,RAILROAD	.05	.04	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.09	.11	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.04	.03	.05	.06	.00	.00	.14	.17	3.30	3.79
POSTMASTERS AND ASSISTANTS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.21	.19	.01	.01	.00	.00	.35	.25	.05	.04
MANAGERS,OFFICE,PROP. NEC	10.10	9.58	.69	.77	.58	.63	4.42	4.34	4.30	4.38

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES TOTAL		AGRICULTURE		FORESTRY		FISHERIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	17.44	18.18	.89	1.40	.73	1.15	9.72	10.81	2.00	3.62
STENOS, TYPISTS, SECRETARIES	4.46	4.82	.23	.29	.17	.20	3.88	3.90	.46	.70
OFFICE MACHINE OPERATORS	.72	.90	.01	.01	.00	.00	.20	.31	.06	.16
OTHER CLERICAL, KINDRED WRKRS	12.27	12.46	.65	1.10	.56	.95	5.63	6.61	1.47	2.75
ACCOUNTING CLERKS	.61	.56	.03	.03	.03	.03	.06	.04	.04	.10
BOOKKEEPERS, HAND	1.09	1.02	.22	.28	.21	.27	.53	.53	.18	.20
BANK TELLERS	.29	.35	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	1.08	1.17	.00	.00	.00	.00	.00	.00	.00	.00
MAIL CARRIERS	.32	.34	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.38	.40	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.48	.45	.01	.01	.01	.01	.00	.00	.00	.00
TELEPHONE OPERATORS	.53	.50	.00	.00	.00	.00	.04	.04	.00	.00
CLERICAL AND KINDRED, NEC	7.48	7.66	.40	.78	.31	.63	5.00	6.01	1.25	2.45
SALES WORKERS	6.17	6.06	.28	.52	.27	.50	.23	.16	.93	1.64
CRAFTSMEN, FOREMEN AND KINDRED	12.92	12.87	.93	1.38	.80	1.17	7.55	9.34	2.27	2.94
CONSTRUCTION CRAFTSMEN	3.52	3.81	.22	.36	.20	.31	1.21	2.07	.48	.63
CARPENTERS	1.06	1.13	.12	.17	.11	.17	.27	.28	.30	.31
BRICKMASONS AND TILE SETRS	.25	.27	.01	.03	.01	.03	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.08	.09	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.56	.62	.00	.01	.00	.00	.10	.15	.05	.09
EXCAVATNG, GRADNG MACH OPER	.39	.44	.06	.10	.05	.06	.81	1.61	.00	.00
PAINTERS AND PAPERHANGERS	.50	.53	.02	.05	.02	.05	.03	.04	.09	.09
PLASTERERS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.45	.49	.00	.01	.00	.00	.00	.00	.04	.14
ROOFERS AND SLATERS	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.11	.12	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	1.89	1.79	.21	.33	.17	.27	2.35	2.75	.45	.56
METALWKNG CRAFTS EXC MECH	1.55	1.50	.01	.01	.00	.00	.27	.26	.05	.05
MACHINISTS AND RELATED OCC	.74	.69	.01	.01	.00	.00	.23	.18	.05	.05
BLKSMITHS, FORGMN, HAMMERMEN	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.10	.10	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.07	.07	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.05	.06	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.20	.21	.00	.00	.00	.00	.05	.08	.00	.00
TOOLMAKERS AND DIEMAKERS	.25	.26	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.40	.35	.00	.00	.00	.00	.00	.00	.00	.00
COMPOSITORS, TYPESETTERS	.22	.17	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROTYPERS, STEREOTYPERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.04	.05	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.11	.10	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.56	.59	.00	.00	.00	.00	.12	.17	.00	.00
LINEMEN AND SERVICEMEN	.48	.53	.00	.00	.00	.00	.12	.17	.00	.00
LOCOMOTIVE ENGINEERS	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.55	3.57	.41	.60	.37	.52	2.70	3.19	.83	1.19
AIRPLANE MECH AND REPAIRMN	.18	.20	.02	.06	.02	.06	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	1.06	1.07	.03	.06	.03	.06	.23	.16	.00	.00
OFFICE MACHINE MECHANICS	.10	.13	.00	.00	.00	.00	.00	.00	.02	.02
RADIO AND TV MECHANICS	.17	.17	.00	.01	.00	.00	.26	.32	.00	.00
RR AND CAR SHOP MECHANICS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.00	1.96	.35	.47	.31	.46	2.22	2.71	.81	1.17

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL ALL INDUSTRIES		AGRICULTURE FORESTRY AND FISHERIES		AGRICULTURE		FORESTRY		FISHERIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.46	1.27	.07	.09	.06	.06	.90	.90	.46	.51
BAKERS	.13	.11	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.09	.08	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.18	.19	.00	.00	.00	.00	.00	.00	.07	.16
GLAZIERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.03	.02	.01	.01	.00	.00	.57	.48	.00	.00
INSPECTORS,OTHER	.12	.08	.02	.02	.02	.02	.00	.00	.05	.07
UPHOLSTERERS	.08	.07	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.70	.60	.04	.05	.03	.03	.33	.41	.34	.29
OPERATIVES AND KINDRED WORKERS	17.69	16.24	2.85	3.70	2.76	3.56	6.13	7.71	5.57	6.51
DRIVERS AND DELIVERYMEN	3.19	3.05	1.81	2.43	1.81	2.43	2.52	3.09	.71	1.33
DRIVERS,BUS,TRUCK,TRACTOR	2.36	2.26	1.75	2.33	1.75	2.33	2.52	3.09	.61	1.11
DELIVERYMEN AND ROUTEMEN	.83	.79	.06	.10	.06	.10	.00	.00	.10	.21
TRANSP AND PUB UTIL OPERATVS	.18	.14	.00	.00	.00	.00	.00	.00	.09	.12
BRAKEMEN AND SWITCHMEN RR	.11	.09	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.04	.03	.00	.00	.00	.00	.00	.00	.09	.12
SEMISKILLED METALWORKING OCC	2.41	2.35	.02	.04	.02	.04	.03	.01	.00	.00
FURNACEMN,SMELTRMN,POURERS	.08	.07	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.68	.71	.02	.04	.02	.04	.03	.01	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.17	.18	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.74	.72	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.28	.27	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.39	.35	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	1.22	1.14	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.08	.05	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	1.02	1.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	10.69	9.85	1.02	1.23	.93	1.09	3.58	4.61	4.76	5.06
ASBESTOS,INSULATION WRKS	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.55	.53	.00	.00	.00	.00	.03	.03	.00	.00
BLASTERS AND POWDERMEN	.01	.01	.00	.00	.00	.00	.01	.01	.00	.00
LAUNDRY,DRY CLEANING OPER	.46	.46	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.24	.21	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.25	.15	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	9.16	8.16	1.02	1.23	.93	1.09	3.54	4.57	4.76	5.06
SERVICE WORKERS	12.35	13.74	.33	.49	.31	.46	1.19	1.30	.96	1.08
PRIVATE HOUSEHOLD WORKERS	1.98	2.08	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	1.23	1.37	.04	.05	.03	.04	.63	.62	.03	.03
FIREMEN	.23	.29	.00	.01	.00	.00	.12	.22	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.47	.45	.04	.05	.03	.04	.51	.40	.03	.03
POLICE,OTH LAW ENFORCE OFF	.53	.63	.00	.00	.00	.00	.00	.00	.00	.00
FOOD SERVICE WORKERS	2.84	2.92	.07	.07	.06	.06	.29	.18	.77	.95
BARTENDERS	.20	.21	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.94	.98	.07	.07	.06	.05	.26	.15	.77	.95
COUNTER AND FOUNTAIN WKRS	.37	.43	.00	.00	.00	.00	.00	.00	.00	.00
WAITERS AND WAITRESSES	1.32	1.30	.00	.00	.00	.00	.04	.03	.00	.00
OTHER SERVICE WORKERS	6.30	7.36	.22	.37	.22	.37	.27	.50	.15	.10
AIRLINE STEWARDS,STWRDSSES	.04	.07	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	1.06	1.58	.12	.21	.13	.22	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.35	.42	.00	.00	.00	.00	.04	.07	.00	.00
JANITORS AND SEXTONS	1.05	1.16	.01	.01	.01	.01	.12	.22	.03	.03
NURSES,PRACTICAL	.47	.70	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	3.33	3.43	.08	.14	.08	.14	.11	.21	.12	.06
LABORERS,EXCEPT FARM AND MINE	4.74	3.89	4.38	5.22	3.09	3.84	23.01	17.30	76.68	71.19
FARMERS AND FARM WORKERS	3.98	2.73	87.66	83.33	90.29	86.67	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	8.84	11.78	7.49	9.93	2.71	4.87	14.83	18.96	3.48	4.24
ENGINEERS,TECHNICAL	2.86	3.30	3.31	4.24	.96	1.47	4.37	4.78	1.31	1.16
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.24	.24	.07	.09	.02	.04	.43	.40	.19	.16
ENGINEERS,CIVIL	.22	.25	.14	.17	.08	.14	.31	.35	.22	.19
ENGINEERS,ELECTRICAL	.16	.18	.13	.18	.04	.05	.26	.28	.09	.08
ENGINEERS,INDUSTRIAL	.26	.39	.24	.43	.15	.30	.38	.53	.13	.15
ENGINEERS,MECHANICAL	.29	.33	.37	.46	.11	.16	.39	.42	.22	.19
ENGINEERS,METALLURG,ETC	.09	.12	.52	.65	.00	.00	.00	.00	.06	.07
ENGINEERS,MINING	1.34	1.52	1.70	2.11	.56	.74	2.10	2.34	.24	.16
OTHER ENGINEERS,TECHNICAL	.26	.27	.13	.16	.00	.04	.48	.45	.16	.16
NATURAL SCIENTISTS	2.26	2.71	1.13	1.53	.15	.29	4.52	5.22	.48	.40
CHEMISTS	.14	.16	.40	.49	.07	.11	.04	.04	.24	.22
AGRICULTURAL SCIENTISTS	.01	.02	.01	.01	.00	.00	.01	.01	.02	.04
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	2.01	2.40	.57	.74	.01	.02	4.37	5.04	.12	.13
MATHEMATICIANS	.06	.07	.11	.18	.07	.16	.04	.04	.08	.01
PHYSICISTS	.02	.02	.00	.00	.00	.00	.04	.04	.00	.00
OTHER NATURAL SCIENTISTS	.03	.04	.05	.11	.00	.00	.04	.04	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	1.58	2.24	1.30	1.82	.90	1.56	2.46	3.42	.59	.78
DRAFTSMEN	.58	.67	.27	.31	.05	.09	1.14	1.29	.16	.15
SURVEYORS	.24	.36	.29	.46	.30	.68	.24	.34	.09	.11
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.03	.05	.03	.04	.00	.00	.06	.10	.00	.00
TECHNICIANS,OTHER	.73	1.16	.70	1.00	.54	.79	1.01	1.69	.33	.53
MEDICAL,OTHER HEALTH WORKERS	.03	.05	.15	.27	.01	.01	.01	.01	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.02	.06	.09	.01	.01	.00	.00	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.02	.03	.08	.15	.00	.00	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.01	.03	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.02	.02	.02	.01	.01	.01	.02	.03	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.02	.02	.02	.01	.01	.01	.02	.03	.00	.00
SOCIAL SCIENTISTS	.06	.08	.17	.22	.02	.04	.06	.07	.02	.02
ECONOMISTS	.02	.02	.00	.00	.00	.00	.04	.05	.00	.00
STATISTICIANS + ACTUARIES	.03	.04	.10	.14	.02	.04	.02	.02	.02	.02
OTHER SOCIAL SCIENTISTS	.01	.01	.07	.07	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	2.04	3.39	1.41	1.84	.67	1.48	3.39	5.42	1.09	1.89
ACCOUNTANTS AND AUDITORS	1.09	1.87	.73	.97	.33	.74	1.94	3.25	.34	.62
AIRPLANE PILOTS,NAVIGATORS	.12	.32	.06	.11	.06	.17	.21	.60	.03	.04
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.02	.04	.00	.00	.00	.00	.04	.04	.03	.04
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.14	.15	.00	.00	.06	.08	.27	.27	.05	.07
LIBRARIANS	.01	.01	.00	.00	.00	.00	.02	.02	.00	.00
PERSONNEL AND LAB REL WRKS	.20	.30	.23	.28	.10	.18	.28	.42	.11	.17
PHOTOGRAPHERS	.02	.02	.00	.00	.00	.00	.04	.05	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.44	.69	.39	.48	.12	.31	.59	.75	.54	.95
MANAGERS,OFFICIALS,PROPRIETORS	10.56	11.16	4.91	4.50	4.73	5.39	15.37	15.40	11.04	11.35
CONDUCTORS,RAILROAD	.01	.01	.04	.04	.00	.00	.00	.00	.00	.00
CREDITMEN	.03	.03	.00	.00	.00	.00	.06	.06	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.13	.13	.00	.00	.00	.00	.25	.25	.12	.09
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.33	.32	.45	.40	.21	.26	.38	.33	.28	.31
MANAGERS,OFFICE,PROP. NEC	10.06	10.67	4.41	4.06	4.52	5.13	14.67	14.77	10.65	10.96

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	11.09	11.72	7.77	7.22	4.63	5.42	17.03	17.33	7.82	8.37
STENOS, TYPISTS,SECRETARIES	3.79	3.84	2.29	2.15	.60	.67	7.07	6.93	1.27	1.29
OFFICE MACHINE OPERATORS	.33	.67	.37	.42	.08	.17	.56	1.19	.10	.21
OTHER CLERICAL,KINDRED WRKRS	6.96	7.21	5.10	4.65	3.96	4.58	9.40	9.21	6.44	6.86
ACCOUNTING CLERKS	.52	.52	.25	.25	.35	.46	.74	.73	.43	.31
BOOKKEEPERS,HAND	.82	.79	.34	.34	.42	.50	1.23	1.17	.72	.56
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.01	.01	.03	.02	.03	.02	.01	.00	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.13	.18	.08	.05	.12	.16	.06	.11	.37	.42
TELEPHONE OPERATORS	.11	.11	.19	.22	.04	.06	.16	.14	.02	.02
CLERICAL AND KINDRED,NEC	5.37	5.60	4.23	3.78	3.00	3.38	7.20	7.06	4.91	5.55
SALES WORKERS	.50	.63	.06	.06	.46	.81	.58	.69	.71	.75
CRAFTSMEN,FOREMEN AND KINDRED	27.33	27.44	34.16	36.35	30.20	36.99	22.51	18.41	29.59	32.19
CONSTRUCTION CRAFTSMEN	6.86	9.17	9.90	13.28	10.85	15.86	1.30	1.82	12.46	15.73
CARPENTERS	.43	.38	.98	.86	.43	.35	.12	.11	.69	.60
BRICKMASONS AND TILE SETRS	.10	.14	.10	.11	.22	.30	.03	.06	.14	.21
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.68	1.85	2.94	3.20	3.76	5.22	.34	.45	1.23	1.35
EXCAVATNG,GRADNG MACH OPER	4.22	6.09	4.96	7.51	6.20	9.51	.44	.73	9.97	12.85
PAINTERS AND PAPERHANGERS	.12	.10	.14	.06	.01	.02	.13	.07	.18	.24
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.28	.56	.78	1.53	.21	.45	.18	.33	.23	.45
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.03	.04	.00	.00	.01	.01	.07	.07	.01	.03
FOREMEN NEC	7.09	6.57	9.15	8.43	9.01	8.86	7.17	7.00	2.88	3.06
METALWKNG CRAFTS EXC MECH	1.30	1.08	2.21	2.00	1.11	1.42	1.09	.44	1.28	1.47
MACHINISTS AND RELATED OCC	.65	.68	1.21	1.20	.96	1.29	.21	.09	.86	1.05
BLKSMITHS,FORGMN,HAMMERMEN	.44	.16	.32	.27	.13	.11	.78	.18	.11	.08
BOILERMAKERS	.07	.05	.40	.23	.01	.01	.02	.02	.01	.01
HEAT TREATERS,ANNEALERS	.01	.02	.00	.00	.00	.00	.01	.04	.00	.00
MILLWRIGHTS	.07	.09	.09	.07	.01	.01	.00	.00	.29	.31
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.01	.02	.06	.11	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.02	.03	.06	.05	.00	.00	.02	.05	.00	.00
TOOLMAKERS AND DIEMAKERS	.04	.04	.07	.07	.00	.00	.05	.06	.02	.02
PRINTING TRADES CRAFTSMEN	.02	.01	.01	.01	.00	.00	.03	.02	.01	.01
COMPOSITORS,TYPESETTERS	.01	.01	.01	.01	.00	.00	.02	.01	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.27	.26	1.25	1.03	.15	.21	.03	.03	.18	.21
LINEMEN AND SERVICEMEN	.01	.02	.00	.00	.00	.00	.03	.03	.00	.00
LOCOMOTIVE ENGINEERS	.24	.22	1.14	.89	.14	.20	.00	.00	.18	.21
LOCOMOTIVE FIREMEN	.02	.02	.12	.14	.01	.01	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	5.76	5.90	7.42	7.55	7.08	9.02	4.06	3.87	6.79	6.52
AIRPLANE MECH AND REPAIRMN	.02	.04	.00	.00	.00	.00	.04	.06	.04	.05
MOTOR VEHICLE MECHANICS	.23	.25	.42	.43	.13	.17	.11	.12	.46	.45
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.03	.04	.00	.00	.03	.04	.03	.07	.02	.02
RR AND CAR SHOP MECHANICS	.01	.01	.07	.07	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	5.48	5.55	6.94	7.04	6.92	8.81	3.87	3.63	6.27	6.00

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL MINING		METAL MINING		COAL MINING		CRUDE PETROLEUM AND NATURAL GAS		NONMETALLIC MINING AND QUARRYING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	6.05	4.46	4.21	4.05	2.00	1.61	8.83	5.23	5.99	5.20
BAKERS	.01	.02	.00	.00	.00	.00	.02	.04	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	1.02	1.21	2.22	2.51	.62	.67	.14	.11	2.61	2.81
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.01	.01	.00	.00	.00	.00	.00	.00	.04	.05
INSPECTORS,LOG AND LUMBER	.00	.01	.00	.00	.00	.00	.01	.02	.00	.00
INSPECTORS,OTHER	.30	.17	.48	.28	.44	.20	.20	.16	.23	.09
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	4.70	3.04	1.51	1.25	.94	.74	8.46	4.90	3.09	2.25
OPERATIVES AND KINDRED WORKERS	40.50	36.08	43.10	39.59	56.48	45.82	28.99	28.39	45.62	41.60
DRIVERS AND DELIVERYMEN	4.76	5.80	4.06	5.77	4.37	5.68	2.54	2.71	10.97	11.63
DRIVERS,BUS,TRUCK,TRACTOR	4.67	5.68	4.02	5.73	4.35	5.66	2.43	2.56	10.80	11.46
DELIVERYMEN AND ROUTEMEN	.09	.12	.04	.03	.02	.02	.11	.16	.17	.17
TRANSP AND PUB UTIL OPERATVS	.08	.11	.10	.07	.04	.08	.09	.15	.12	.08
BRAKEMEN AND SWITCHMEN RR	.03	.03	.09	.06	.04	.08	.01	.01	.03	.03
POWER STATION OPERATORS	.01	.01	.01	.01	.00	.00	.00	.00	.04	.02
SAILORS AND DECKHANDS	.04	.07	.00	.00	.00	.00	.08	.14	.05	.03
SEMISKILLED METALWORKING OCC	1.75	2.16	3.71	4.81	1.77	2.45	.85	.93	2.27	2.58
FURNACEMN,SMELTRMN,POURERS	.06	.08	.38	.52	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.69	2.08	3.33	4.28	1.77	2.45	.85	.93	2.27	2.58
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	33.91	28.00	35.23	28.95	50.31	37.61	25.51	24.60	32.26	27.31
ASBESTOS,INSULATION WRKS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.43	.43	.59	.89	.90	1.07	.13	.01	.43	.49
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.02	.02	.04	.03	.04	.04	.01	.01	.01	.01
MINE OPERATVS,LABORERS,NEC	30.61	25.18	31.82	25.23	42.91	30.00	24.63	24.37	28.47	23.43
OPERATIVES AND KINDRED,NEC	2.84	2.37	2.78	2.79	6.44	6.49	.74	.20	3.34	3.38
SERVICE WORKERS	1.18	1.19	2.51	2.35	.79	.70	.70	.82	1.74	1.48
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.51	.33	1.20	1.00	.49	.34	.09	.01	.98	.48
FIREMEN	.01	.01	.05	.09	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.48	.29	1.04	.80	.47	.32	.09	.01	.98	.48
POLICE,OTH LAW ENFORCE OFF	.02	.02	.11	.11	.02	.02	.00	.00	.00	.00
FOOD SERVICE WORKERS	.12	.15	.10	.09	.03	.02	.19	.25	.08	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.11	.14	.04	.04	.01	.01	.19	.25	.08	.11
COUNTER AND FOUNTAIN WKRS	.01	.00	.03	.03	.00	.00	.00	.00	.00	.00
WAITERS AND WAITRESSES	.01	.00	.02	.02	.02	.01	.00	.00	.00	.00
OTHER SERVICE WORKERS	.55	.71	1.21	1.26	.28	.34	.41	.56	.68	.89
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.06	.08	.15	.22	.03	.05	.03	.06	.07	.06
JANITORS AND SEXTONS	.30	.34	.85	.81	.15	.18	.18	.21	.36	.39
NURSES,PRACTICAL	.01	.01	.05	.06	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.18	.28	.17	.18	.10	.10	.20	.29	.25	.45
LABORERS,EXCEPT FARM AND MINE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	5.84	6.91	9.20	12.02	11.30	14.62	2.00	3.38	3.30	4.05
ENGINEERS,TECHNICAL	2.12	2.29	3.12	3.92	4.59	5.70	.29	.31	.27	.23
ENGINEERS,AERONAUTICAL	.00	.00	.25	.24	.44	.40	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.01	.21	.21	.09	.10	.02	.03	.00	.00
ENGINEERS,CIVIL	1.89	2.05	.08	.08	.11	.10	.06	.05	.27	.23
ENGINEERS,ELECTRICAL	.06	.05	.72	.94	1.21	1.55	.01	.00	.00	.00
ENGINEERS,INDUSTRIAL	.01	.02	.65	.68	.64	.96	.05	.06	.00	.00
ENGINEERS,MECHANICAL	.08	.07	.78	.95	1.18	1.41	.02	.02	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.11	.12	.17	.19	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.08	.09	.51	.69	.75	.98	.12	.15	.00	.00
NATURAL SCIENTISTS	.05	.05	.72	.87	.47	.58	.10	.12	.00	.01
CHEMISTS	.01	.01	.41	.48	.17	.20	.05	.05	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.02	.03	.00	.01	.05	.07	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.05	.06	.01	.01	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00
MATHEMATICIANS	.01	.01	.12	.15	.18	.22	.00	.00	.00	.00
PHYSICISTS	.00	.00	.06	.08	.08	.11	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.01	.01	.06	.07	.03	.03	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	2.21	2.60	2.20	2.65	3.15	3.64	.32	.36	.11	.13
DRAFTSMEN	.74	.78	.76	.97	1.23	1.53	.21	.21	.04	.03
SURVEYORS	.33	.31	.01	.01	.01	.02	.02	.04	.04	.08
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.01	.00	.01	.01	.01	.01	.02	.00	.00
TECHNICIANS,OTHER	1.12	1.50	1.43	1.66	1.90	2.09	.09	.09	.03	.02
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.07	.08	.06	.08	.01	.03	.03	.05
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.03	.04	.04	.05	.01	.03	.03	.05
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.01	.02	.03	.02	.02	.00	.00	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.02	.03	.02	.02	.00	.00	.00	.00
SOCIAL SCIENTISTS	.01	.01	.07	.07	.07	.08	.01	.02	.00	.00
ECONOMISTS	.00	.00	.03	.03	.03	.03	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.03	.04	.04	.04	.01	.02	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.44	1.95	3.01	4.40	2.94	4.51	1.27	2.54	2.89	3.63
ACCOUNTANTS AND AUDITORS	.24	.39	.54	.79	.58	.84	.24	.40	.29	.41
AIRPLANE PILOTS,NAVIGATORS	.02	.03	.02	.05	.03	.06	.01	.02	.06	.09
ARCHITECTS	.04	.03	.01	.01	.01	.01	.03	.03	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	[illegible]	.29	.26	.24	.02	.03	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.11	.12	.26	.29	.28	.29	.06	.09	.00	.00
EDITORS AND REPORTERS	.00	.00	.40	.39	.04	.05	.00	.00	.00	.00
LAWYERS AND JUDGES	.03	.02	.03	.03	.03	.04	.01	.01	.00	.00
LIBRARIANS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.04	.08	.24	.33	.27	.35	.08	.15	.03	.05
PHOTOGRAPHERS	.00	.00	.10	.11	.04	.03	.00	.01	.02	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.94	1.26	1.09	2.07	1.37	2.59	.81	1.81	2.48	3.05
MANAGERS,OFFICIALS,PROPRIETORS	10.37	9.51	6.03	6.23	5.64	5.75	8.31	1.37	13.43	10.62
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.01	.00	.01	.00	.02	.01
CREDITMEN	.00	.00	.05	.07	.04	.05	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.03	.03	.01	.01	.01	.01	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.03	.02	.47	.45	.57	.56	.54	.47	1.46	1.23
MANAGERS,OFFICE,PROP. NEC	10.30	9.46	5.50	5.70	5.02	5.13	7.75	6.89	11.95	9.38

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	5.00	5.54	12.85	13.05	12.55	12.07	5.81	6.52	2.21	1.90
STENOS, TYPISTS, SECRETARIES	1.47	1.59	3.38	3.52	3.42	3.45	1.30	1.64	.42	.38
OFFICE MACHINE OPERATORS	.06	.08	.70	.93	.66	.86	.18	.23	.10	.07
OTHER CLERICAL, KINDRED WRKRS	3.47	3.87	8.77	8.60	8.46	7.76	4.33	4.66	1.68	1.45
ACCOUNTING CLERKS	.61	.66	.50	.44	.44	.39	.28	.26	.34	.24
BOOKKEEPERS, HAND	.77	.78	.52	.51	.38	.37	.77	.79	.29	.24
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.01	.01	.06	.05	.04	.04	.02	.02	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.02	.01	1.12	1.15	1.01	1.01	.51	.59	.02	.02
TELEPHONE OPERATORS	.04	.04	.14	.15	.12	.13	.03	.02	.00	.00
CLERICAL AND KINDRED, NEC	2.03	2.37	6.42	6.29	6.46	5.83	2.72	2.98	1.03	.95
SALES WORKERS	.31	.33	2.60	2.93	1.74	1.95	1.18	1.72	.61	.67
CRAFTSMEN, FOREMEN AND KINDRED	51.29	50.98	18.94	19.07	22.07	22.10	12.77	16.09	5.86	7.00
CONSTRUCTION CRAFTSMEN	42.69	41.39	1.78	2.08	2.34	2.71	2.12	3.24	1.29	2.05
CARPENTERS	14.23	13.52	.36	.43	.52	.62	1.35	2.14	.06	.05
BRICKMASONS AND TILE SETRS	3.83	3.69	.07	.07	.10	.10	.01	.01	.00	.00
CEMENT, CONCRETE FINISHERS	1.31	1.39	.01	.01	.01	.01	.03	.02	.00	.00
ELECTRICIANS	4.16	4.43	.67	.76	.86	.96	.20	.32	.02	.02
EXCAVATNG, GRADNG MACH OPER	5.25	5.08	.07	.09	.08	.10	.44	.65	1.22	1.97
PAINTERS AND PAPERHANGERS	5.91	5.74	.11	.11	.16	.16	.04	.06	.00	.00
PLASTERERS	.66	.57	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	4.93	4.67	.33	.44	.36	.48	.04	.03	.00	.00
ROOFERS AND SLATERS	1.20	1.15	.01	.01	.01	.01	.01	.01	.00	.00
STRUCTURAL METALWORKERS	1.20	1.15	.14	.17	.24	.28	.00	.00	.00	.00
FOREMEN NEC	2.75	2.91	4.49	4.46	4.58	4.43	3.59	4.09	1.87	1.94
METALWKNG CRAFTS EXC MECH	1.29	1.43	5.35	5.54	8.54	8.61	1.17	1.59	.17	.20
MACHINISTS AND RELATED OCC	.07	.06	2.69	2.73	4.32	4.26	.23	.42	.06	.04
BLKSMITHS, FORGMN, HAMMERMEN	.03	.04	.07	.08	.12	.12	.01	.02	.00	.00
BOILERMAKERS	.10	.12	.07	.06	.10	.09	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.11	.11	.19	.18	.00	.00	.00	.00
MILLWRIGHTS	.16	.19	.35	.35	.42	.41	.84	1.05	.11	.16
MOLDERS, METAL, EXC COREMKRS	.00	.00	.28	.28	.49	.47	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.20	.23	.33	.36	.04	.03	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.15	.14	.26	.24	.00	.00	.00	.00
SHEET METAL WORKERS	.92	1.02	.44	.45	.73	.72	.03	.04	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.97	1.11	1.59	1.76	.02	.02	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	1.46	1.34	.12	.13	.03	.04	.00	.00
COMPOSITORS, TYPESETTERS	.00	.00	.80	.64	.04	.05	.03	.04	.00	.00
ELECTROTYPERS, STEREOTYPERS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.06	.07	.04	.04	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.16	.22	.02	.02	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.41	.40	.02	.02	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.24	.37	.08	.12	.12	.18	.02	.02	.01	.01
LINEMEN AND SERVICEMEN	.24	.37	.06	.10	.10	.15	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.02	.02	.02	.02	.01	.01	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MECHANICS AND REPAIRMEN	2.35	2.38	3.33	3.35	3.69	3.61	1.66	2.24	.94	1.03
AIRPLANE MECH AND REPAIRMN	.00	.00	.19	.25	.33	.41	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.14	.11	.21	.20	.30	.27	.10	.10	.16	.17
OFFICE MACHINE MECHANICS	.00	.00	.05	.05	.08	.08	.00	.00	.00	.00
RADIO AND TV MECHANICS	.02	.02	.04	.06	.08	.09	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.01	.01	.02	.02	.01	.01	.00	.00
OTHER MECHANICS AND REPAIR	2.19	2.24	2.82	2.79	2.89	2.74	1.55	2.13	.78	.87

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	CONSTRUCTION		TOTAL MANUFACTURING		TOTAL DURABLE GOODS MANUFACTURING		LUMBER AND WOOD PRODUCTS		LOGGING CAMPS AND CONTRACTORS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.98	2.50	2.47	2.18	2.67	2.43	4.19	4.87	1.57	1.76
BAKERS	.00	.00	.31	.25	.00	.00	.01	.01	.00	.00
CABINETMAKERS	.15	.13	.19	.17	.31	.28	.67	.61	.00	.01
CRANE,DERRICK,HOIST MEN	.53	.59	.47	.48	.75	.74	.72	1.07	.83	1.08
GLAZIERS	.18	.22	.02	.02	.03	.03	.13	.11	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.05	.05	.08	.08	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.12	.10	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.04	.04	.08	.07	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.08	.08	.13	.13	2.31	2.55	.58	.53
INSPECTORS,OTHER	.36	.32	.06	.03	.08	.04	.01	.00	.00	.00
UPHOLSTERERS	.01	.01	.14	.12	.22	.18	.01	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.74	1.23	.99	.84	.99	.87	.33	.51	.16	.14
OPERATIVES AND KINDRED WORKERS	8.94	10.77	43.95	42.03	39.83	38.40	39.88	40.63	12.71	15.51
DRIVERS AND DELIVERYMEN	3.38	3.89	2.28	2.29	1.39	1.55	5.36	5.71	10.45	12.47
DRIVERS,BUS,TRUCK,TRACTOR	3.32	3.84	1.38	1.44	1.28	1.43	5.22	5.53	10.33	12.36
DELIVERYMEN AND ROUTEMEN	.06	.05	.89	.85	.12	.12	.14	.18	.11	.11
TRANSP AND PUB UTIL OPERATVS	.06	.06	.06	.07	.06	.07	.08	.11	.02	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.03	.03	.04	.04	.02	.03	.02	.02
POWER STATION OPERATORS	.01	.01	.03	.04	.02	.02	.05	.08	.00	.00
SAILORS AND DECKHANDS	.05	.05	.00	.01	.00	.01	.01	.01	.00	.00
SEMISKILLED METALWORKING OCC	1.14	1.30	8.79	9.17	14.93	15.15	.27	.42	.01	.04
FURNACEMN,SMELTRMN,POURERS	.00	.00	.30	.29	.52	.48	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.04	.04	.07	.07	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.14	1.30	1.92	2.12	3.11	3.35	.27	.42	.01	.04
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.69	.77	1.19	1.29	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	2.94	3.08	5.06	5.16	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	1.12	1.14	1.93	1.90	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	1.57	1.52	2.70	2.54	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.09	.09	.15	.14	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.13	.14	.22	.23	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	4.85	4.90	.35	.33	.11	.10	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.24	.21	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.25	.18	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.30	.22	.00	.01	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	4.05	4.28	.35	.32	.11	.10	.00	.00
OTHER OPERATIVES AND KINDRED	4.36	5.51	27.98	25.60	23.09	21.29	34.07	34.29	2.23	2.98
ASBESTOS,INSULATION WRKS	.32	.36	.04	.05	.05	.05	.03	.04	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.01	.01	.01	.01	.01	.02	.01	.02	.00	.00
BLASTERS AND POWDERMEN	.03	.04	.00	.01	.00	.01	.04	.08	.18	.33
LAUNDRY,DRY CLEANING OPER	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	4.00	5.10	27.90	25.52	23.02	21.22	33.99	34.15	2.06	2.66
SERVICE WORKERS	.41	.40	1.44	1.24	1.36	1.18	1.14	1.20	.26	.25
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.12	.06	.50	.40	.58	.48	.75	.68	.15	.15
FIREMEN	.00	.00	.01	.02	.02	.03	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.12	.05	.47	.36	.54	.43	.74	.67	.15	.15
POLICE,OTH LAW ENFORCE OFF	.01	.00	.02	.02	.02	.02	.01	.01	.00	.00
FOOD SERVICE WORKERS	.04	.03	.11	.10	.08	.08	.04	.04	.08	.07
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.01	.04	.03	.02	.02	.03	.03	.06	.05
COUNTER AND FOUNTAIN WKRS	.01	.01	.04	.04	.04	.04	.00	.00	.00	.00
WAITERS AND WAITRESSES	.01	.01	.03	.03	.02	.02	.00	.00	.02	.02
OTHER SERVICE WORKERS	.25	.31	.83	.74	.70	.63	.35	.49	.03	.03
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.06	.08	.12	.11	.10	.11	.06	.10	.00	.00
JANITORS AND SEXTONS	.10	.13	.39	.34	.34	.29	.21	.25	.00	.01
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.08	.10	.32	.28	.24	.22	.09	.13	.03	.03
LABORERS,EXCEPT FARM AND MINE	17.04	15.56	4.99	3.43	5.52	3.93	28.90	23.08	61.64	60.00
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.69	3.24	2.65	3.42	4.95	7.01	5.51	8.50	3.97	5.17
ENGINEERS,TECHNICAL	.30	.33	.54	.66	1.62	1.83	1.25	2.07	1.75	1.41
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.03	.03	.00	.00	.18	.10	.09	.08	.07	.02
ENGINEERS,CIVIL	.01	.01	.02	.02	.19	.18	.04	.04	.49	.41
ENGINEERS,ELECTRICAL	.01	.00	.00	.00	.07	.09	.07	.11	.12	.10
ENGINEERS,INDUSTRIAL	.07	.08	.22	.29	.24	.31	.29	.49	.21	.18
ENGINEERS,MECHANICAL	.03	.03	.09	.07	.33	.36	.37	.58	.27	.19
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.05	.03	.03	.03	.05	.00
ENGINEERS,MINING	.00	.00	.00	.00	.06	.05	.00	.00	.11	.08
OTHER ENGINEERS,TECHNICAL	.15	.18	.20	.29	.49	.71	.36	.74	.43	.43
NATURAL SCIENTISTS	.12	.15	.02	.02	.33	.35	.15	.15	.46	.40
CHEMISTS	.06	.06	.00	.00	.20	.18	.14	.13	.33	.28
AGRICULTURAL SCIENTISTS	.06	.08	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.03	.03	.00	.00	.09	.08
MATHEMATICIANS	.00	.00	.02	.02	.05	.05	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.02	.04	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.03	.03	.02	.02	.04	.04
TECHNICIANS,EXC MEDICAL,DENT	.37	.41	1.13	1.10	.80	1.22	.77	1.22	.58	.96
DRAFTSMEN	.25	.25	1.03	1.06	.40	.50	.42	.57	.30	.44
SURVEYORS	.01	.03	.00	.00	.01	.02	.00	.00	.04	.06
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.03	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,OTHER	.10	.11	.10	.04	.37	.69	.33	.64	.24	.46
MEDICAL,OTHER HEALTH WORKERS	.01	.02	.02	.02	.04	.05	.05	.07	.01	.02
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.02	.02	.02	.03	.04	.05	.07	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.01	.02	.00	.00	.02	.01
TEACHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.01	.02	.00	.00	.02	.01
TEACHERS,OTHER	.01	.02	.01	.01	.04	.04	.08	.10	.01	.01
SOCIAL SCIENTISTS	.00	.00	.01	.01	.01	.01	.02	.02	.01	.01
ECONOMISTS	.01	.02	.00	.00	.02	.02	.05	.06	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
OTHER SOCIAL SCIENTISTS	.87	2.30	.93	1.61	2.12	3.50	3.20	4.90	1.15	2.36
OTHER PROF,TECH AND KINDRED	.23	.40	.24	.38	.58	.99	.63	.98	.52	.98
ACCOUNTANTS AND AUDITORS	.00	.00	.00	.00	.00	.01	.02	.02	.00	.00
AIRPLANE PILOTS,NAVIGATORS	.03	.03	.01	.01	.01	.01	.01	.01	.00	.00
ARCHITECTS	.03	.04	.05	.05	.34	.18	.77	.43	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CLERGYMEN	.08	.11	.20	.18	.10	.07	.12	.07	.04	.03
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.01	.01	.01	.01	.02	.02	.01	.00
EDITORS AND REPORTERS	.01	.01	.01	.01	.03	.03	.06	.08	.01	.01
LAWYERS AND JUDGES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LIBRARIANS	.10	.18	.12	.15	.20	.27	.29	.38	.12	.15
PERSONNEL AND LAB REL WRKS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
SOCIAL AND WELFARE WORKERS	.40	1.53	.30	.82	.84	1.94	1.26	2.90	.46	1.19
PROF,TECH,KINDRED,NEC	7.06	6.66	6.10	6.48	7.79	9.33	4.48	4.73	11.73	14.30
MANAGERS,OFFICIALS,PROPRIETORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONDUCTORS,RAILROAD	.00	.00	.07	.12	.05	.05	.05	.09	.07	.04
CREDITMEN	.00	.00	.00	.00	.02	.03	.00	.00	.04	.06
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.32	.30	.29	.27	.37	.36	.28	.25	.43	.48
PURCHASING AGENTS	6.73	6.35	5.73	6.09	7.35	8.89	4.15	4.40	11.19	13.72
MANAGERS,OFFICE,PROP. NEC										

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	6.69	7.54	9.67	10.41	10.88	11.20	10.31	9.05	10.09	11.48
STENOS, TYPISTS,SECRETARIES	1.52	1.91	2.38	2.77	2.63	2.51	2.60	2.17	2.23	2.38
OFFICE MACHINE OPERATORS	.20	.26	.44	.50	.46	.60	.37	.54	.35	.42
OTHER CLERICAL,KINDRED WRKRS	4.98	5.36	6.85	7.15	7.78	8.09	7.35	6.34	7.51	8.69
ACCOUNTING CLERKS	.27	.27	.27	.22	.45	.46	.57	.40	.51	.63
BOOKKEEPERS,HAND	.89	.91	.78	.68	.96	1.27	.12	.09	1.91	2.46
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.02	.02	.01	.01	.05	.04	.09	.09	.04	.03
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.63	.71	1.73	1.88	.92	.78	1.13	1.03	.30	.31
TELEPHONE OPERATORS	.03	.03	.07	.07	.13	.16	.16	.14	.14	.19
CLERICAL AND KINDRED,NEC	3.13	3.42	3.99	4.28	5.26	5.37	5.28	4.58	4.60	5.07
SALES WORKERS	1.32	1.95	2.86	3.35	2.72	3.79	1.59	1.58	3.34	5.27
CRAFTSMEN,FOREMEN AND KINDRED	14.46	18.08	20.38	20.38	15.23	15.93	14.14	16.67	16.66	15.72
CONSTRUCTION CRAFTSMEN	2.32	3.50	2.18	3.44	2.35	2.45	1.26	1.36	3.62	3.17
CARPENTERS	1.66	2.59	1.99	3.32	.34	.37	.34	.35	.52	.54
BRICKMASONS AND TILE SETRS	.01	.02	.00	.00	.28	.26	.06	.06	.18	.12
CEMENT,CONCRETE FINISHERS	.04	.03	.00	.00	.14	.08	.00	.00	.35	.15
ELECTRICIANS	.24	.39	.11	.06	.80	.85	.52	.56	1.21	1.07
EXCAVATNG,GRADNG MACH OPER	.25	.36	.01	.01	.56	.64	.03	.02	1.09	1.01
PAINTERS AND PAPERHANGERS	.06	.07	.06	.04	.04	.03	.01	.01	.08	.06
PLASTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PLUMBERS AND PIPEFITTERS	.05	.04	.01	.01	.15	.17	.28	.33	.11	.12
ROOFERS AND SLATERS	.01	.02	.00	.00	.02	.02	.01	.02	.04	.03
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.01	.02	.01	.01	.03	.05
FOREMEN NEC	4.01	4.56	4.87	5.55	4.94	5.00	5.23	5.99	4.32	4.05
METALWKNG CRAFTS EXC MECH	1.42	1.89	.93	.87	1.56	1.62	1.68	2.10	.85	.71
MACHINISTS AND RELATED OCC	.27	.51	.19	.19	.83	.86	.98	1.25	.47	.43
BLKSMITHS,FORGMN,HAMMERMEN	.02	.02	.01	.01	.03	.02	.02	.01	.04	.02
BOILERMAKERS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.01
HEAT TREATERS, ANEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	1.02	1.25	.09	.05	.28	.29	.35	.49	.17	.13
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.03	.04	.05	.11	.00	.00
PATTERNMAKERS,METAL,WOOD	.04	.04	.10	.09	.07	.07	.07	.03	.05	.05
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
SHEET METAL WORKERS	.04	.05	.27	.22	.08	.04	.08	.06	.09	.03
TOOLMAKERS AND DIEMAKERS	.02	.02	.28	.32	.22	.26	.12	.14	.03	.03
PRINTING TRADES CRAFTSMEN	.04	.05	.04	.06	.05	.06	.12	.12	.03	.05
COMPOSITORS,TYPESETTERS	.04	.05	.03	.05	.00	.00	.00	.00	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.04	.05	.10	.09	.03	.05
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.01	.01	.01	.01	.02	.02	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.02	.02	.00	.00	.02	.02	.02	.02	.02	.02
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.02	.02	.02	.02	.02	.01
LOCOMOTIVE FIREMEN	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
MECHANICS AND REPAIRMEN	1.83	2.50	1.90	2.24	4.19	4.78	3.78	4.77	5.61	5.63
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.08	.08	.02	.02	.26	.30	.14	.15	.52	.53
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.74	2.41	1.87	2.21	3.92	4.46	3.64	4.62	5.09	5.10

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OCCUPATION	SAWMILLS MILLWORK MISC WOOD		FURNITURE AND FIXTURES		STONE,CLAY AND GLASS PRODUCTS		GLASS AND GLASS PRODUCTS		CEMENT, CONCRETE AND PLASTER	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	4.83	5.55	10.45	8.22	2.11	2.00	2.05	2.31	2.22	2.08
BAKERS	.01	.01	.02	.02	.00	.00	.01	.01	.00	.00
CABINETMAKERS	.83	.75	5.55	4.46	.01	.01	.00	.00	.04	.03
CRANE,DERRICK,HOIST MEN	.69	1.06	.06	.08	.81	1.00	.44	.63	1.48	1.64
GLAZIERS	.17	.13	.02	.02	.19	.26	.66	.96	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.03	.04	.10	.16	.00	.00
INSPECTORS,LOG AND LUMBER	2.74	3.00	.06	.02	.01	.01	.01	.01	.01	.01
INSPECTORS,OTHER	.01	.01	.00	.00	.01	.01	.01	.00	.03	.02
UPHOLSTERERS	.01	.01	4.49	3.37	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.38	.59	.26	.24	1.03	.65	.81	.54	.65	.38
OPERATIVES AND KINDRED WORKERS	46.52	46.14	52.73	51.96	46.30	44.16	55.02	53.80	41.01	39.12
DRIVERS AND DELIVERYMEN	4.11	4.23	1.96	2.55	7.23	9.50	1.21	1.27	17.06	19.93
DRIVERS,BUS,TRUCK,TRACTOR	3.97	4.04	1.72	2.16	7.06	9.28	1.16	1.24	16.73	19.50
DELIVERYMEN AND ROUTEMEN	.14	.19	.24	.39	.17	.21	.05	.03	.33	.43
TRANSP AND PUB UTIL OPERATVS	.09	.13	.02	.02	.07	.09	.05	.06	.09	.09
BRAKEMEN AND SWITCHMEN RR	.02	.03	.00	.00	.02	.02	.00	.00	.02	.01
POWER STATION OPERATORS	.06	.10	.02	.02	.03	.04	.05	.06	.02	.02
SAILORS AND DECKHANDS	.01	.01	.00	.00	.02	.03	.00	.00	.05	.06
SEMISKILLED METALWORKING OCC	.33	.50	1.83	2.25	1.13	1.38	.54	.59	1.98	2.24
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.11	.14	.07	.11	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.33	.50	1.83	2.25	1.03	1.24	.47	.47	1.98	2.24
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.14	.13	3.51	2.96	.10	.06	.17	.15	.02	.02
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
SEWERS AND STITCHERS,MFG	.14	.13	3.50	2.95	.09	.05	.16	.14	.02	.02
OTHER OPERATIVES AND KINDRED	41.85	41.15	45.41	44.18	37.77	33.14	53.05	51.74	21.86	16.83
ASBESTOS,INSULATION WRKS	.04	.05	.02	.01	.14	.13	.00	.00	.02	.01
ATTEND,AUTO SERVICE,PARKNG	.01	.02	.01	.01	.01	.01	.01	.02	.01	.01
BLASTERS AND POWDERMEN	.01	.03	.00	.00	.03	.06	.00	.00	.07	.10
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	41.78	41.05	45.39	44.17	37.58	32.93	53.03	51.71	21.76	16.71
SERVICE WORKERS	1.35	1.41	1.25	1.18	1.37	1.05	1.76	1.32	.96	.70
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.90	.80	.53	.48	.53	.41	.63	.57	.39	.21
FIREMEN	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.89	.78	.52	.47	.51	.37	.63	.57	.39	.21
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.01	.02	.00	.00	.00	.00
FOOD SERVICE WORKERS	.03	.03	.01	.01	.09	.08	.18	.14	.01	.01
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.03	.00	.00	.03	.02	.03	.02	.01	.01
COUNTER AND FOUNTAIN WARS	.00	.00	.01	.01	.04	.03	.09	.05	.00	.00
WAITERS AND WAITRESSES	.00	.00	.00	.00	.02	.02	.07	.07	.00	.00
OTHER SERVICE WORKERS	.43	.58	.70	.69	.74	.56	.95	.60	.55	.48
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.08	.12	.10	.10	.17	.19	.17	.15	.14	.20
JANITORS AND SEXTONS	.26	.31	.43	.44	.38	.28	.48	.33	.26	.17
NURSES,PRACTICAL	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.10	.16	.15	.12	.19	.09	.30	.12	.14	.10
LABORERS,EXCEPT FARM AND MINE	20.90	14.99	4.38	2.82	10.77	7.54	7.18	4.35	12.24	8.23
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.72	5.19	4.24	5.86	6.54	9.79	5.36	7.60	5.48	7.71
ENGINEERS,TECHNICAL	1.42	1.29	1.19	1.62	2.11	2.66	2.05	2.60	2.08	2.52
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.62	.34	.43	.31	.19	.13	.05	.06	.04	.04
ENGINEERS,CIVIL	.02	.00	.04	.05	.03	.02	.10	.09	.15	.11
ENGINEERS,ELECTRICAL	.00	.00	.08	.14	.04	.05	.11	.15	.09	.12
ENGINEERS,INDUSTRIAL	.14	.19	.14	.23	.31	.40	.48	.77	.59	.94
ENGINEERS,MECHANICAL	.17	.14	.23	.35	.47	.50	.36	.43	.35	.38
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.11	.12	.67	.75	.72	.79
ENGINEERS,MINING	.08	.08	.00	.00	.07	.08	.01	.01	.01	.01
OTHER ENGINEERS,TECHNICAL	.40	.54	.28	.54	.89	1.33	.26	.36	.12	.14
NATURAL SCIENTISTS	.10	.07	.00	.00	.56	.71	.24	.29	.23	.27
CHEMISTS	.09	.06	.00	.00	.20	.16	.19	.21	.18	.20
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.01
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.22	.27	.03	.04	.03	.04
PHYSICISTS	.00	.00	.00	.00	.07	.21	.01	.02	.01	.02
OTHER NATURAL SCIENTISTS	.01	.00	.00	.00	.05	.05	.01	.01	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	.52	.95	.90	1.93	1.27	1.71	1.15	1.77	1.32	2.01
DRAFTSMEN	.13	.12	.39	.67	.67	.66	.39	.48	.32	.38
SURVEYORS	.00	.00	.00	.00	.00	.00	.02	.02	.03	.04
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.39	.82	.51	1.27	.60	1.05	.74	1.27	.97	1.59
MEDICAL,OTHER HEALTH WORKERS	.01	.01	.03	.00	.09	.12	.07	.10	.06	.11
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.03	.00	.07	.09	.05	.07	.04	.07
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.02	.01	.02	.02	.04
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.04	.08	.01	.01	.02	.02
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.04	.08	.01	.01	.02	.02
SOCIAL SCIENTISTS	.00	.00	.00	.00	.05	.05	.08	.11	.08	.10
ECONOMISTS	.00	.00	.00	.00	.02	.03	.01	.01	.03	.03
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.03	.03	.05	.08	.04	.06
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OTHER PROF,TECH AND KINDRED	1.19	2.88	2.13	2.31	2.42	4.45	1.77	2.73	1.69	2.66
ACCOUNTANTS AND AUDITORS	.51	.83	.31	.60	.70	1.16	.64	.98	.65	.94
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.02	.03	.02	.02
ARCHITECTS	.00	.00	.00	.00	.03	.04	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.13	.11	1.28	.92	.10	.04	.04	.05	.05	.07
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.15	.14	.32	.25	.11	.07	.06	.07	.05	.07
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
LAWYERS AND JUDGES	.00	.00	.00	.00	.03	.01	.02	.03	.04	.06
LIBRARIANS	.00	.00	.00	.00	.02	.02	.01	.01	.02	.02
PERSONNEL AND LAB REL WRKS	.24	.36	.05	.07	.24	.39	.31	.41	.20	.25
PHOTOGRAPHERS	.00	.00	.00	.00	.02	.02	.03	.03	.04	.05
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
PROF,TECH,KINDRED,NEC	.62	1.44	.16	.47	1.18	2.71	.62	1.10	.60	1.16
MANAGERS,OFFICIALS,PROPRIETORS	7.52	8.43	4.74	5.15	6.94	6.78	3.81	3.90	2.27	2.31
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.04	.03	.08	.08
CREDITMEN	.03	.02	.00	.00	.05	.03	.02	.02	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.03	.04	.00	.00	.00	.00	.01	.02	.03	.04
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.31	.34	.45	.51	.38	.24	.34	.34	.23	.20
MANAGERS,OFFICE,PROP. NEC	7.14	8.02	4.29	4.64	6.51	6.51	3.39	3.49	1.91	1.97

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	9.28	9.68	10.21	12.65	13.75	13.97	11.90	12.05	11.78	11.86
STENOS, TYPISTS,SECRETARIES	2.51	2.52	2.01	2.15	3.57	3.35	2.68	2.82	1.99	1.96
OFFICE MACHINE OPERATORS	.83	1.20	.12	.27	.71	.84	.55	.75	.44	.58
OTHER CLERICAL,KINDRED WRKRS	5.93	5.95	8.08	10.23	9.47	9.78	8.67	8.48	9.35	9.32
ACCOUNTING CLERKS	.48	.42	.24	.17	.27	.28	.52	.44	.39	.33
BOOKKEEPERS,HAND	.54	.51	.24	.25	.98	1.04	.05	.03	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.02	.06	.06	.03	.00	.04	.05	.05	.04
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.63	.49	2.48	3.15	1.25	1.01	1.04	1.01	.78	.75
TELEPHONE OPERATORS	.14	.17	.20	.25	.07	.09	.15	.16	.09	.08
CLERICAL AND KINDRED,NEC	4.12	4.35	4.87	6.35	6.87	7.36	6.87	6.79	8.05	8.12
SALES WORKERS	3.00	4.32	1.63	1.98	3.47	3.95	1.46	1.83	.88	1.14
CRAFTSMEN,FOREMEN AND KINDRED	11.46	12.12	10.61	11.76	17.41	17.98	28.64	29.43	31.73	32.79
CONSTRUCTION CRAFTSMEN	2.62	3.00	1.11	1.28	2.06	2.48	3.51	4.10	4.92	5.90
CARPENTERS	.18	.19	.05	.03	.22	.18	.33	.33	.43	.45
BRICKMASONS AND TILE SETRS	1.25	1.58	.00	.00	.41	.31	.51	.58	.87	.99
CEMENT,CONCRETE FINISHERS	.16	.12	.11	.06	.00	.00	.00	.00	.01	.01
ELECTRICIANS	.20	.17	.72	.93	.78	1.07	1.57	1.78	2.08	2.41
EXCAVATNG,GRADNG MACH OPER	.59	.58	.04	.07	.59	.88	.13	.16	.17	.22
PAINTERS AND PAPERHANGERS	.00	.00	.12	.11	.00	.00	.13	.12	.21	.23
PLASTERERS	.08	.11	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.14	.20	.07	.08	.07	.03	.68	.94	.92	1.32
ROOFERS AND SLATERS	.02	.04	.00	.00	.00	.00	.01	.01	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.15	.18	.22	.27
FOREMEN NEC	4.83	5.05	5.36	5.60	5.44	5.45	5.82	5.87	5.67	5.83
METALWKNG CRAFTS EXC MECH	.92	1.04	1.58	2.35	2.81	2.92	10.05	10.48	8.05	8.09
MACHINISTS AND RELATED OCC	.33	.26	1.01	1.62	1.34	1.32	2.13	2.18	1.52	1.59
BLKSMITHS,FORGMN,HAMMERMEN	.01	.01	.00	.00	.06	.02	.42	.49	.25	.21
BOILERMAKERS	.02	.04	.00	.00	.00	.00	.15	.12	.24	.21
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.59	.64	.39	.41
MILLWRIGHTS	.17	.19	.11	.06	.47	.43	1.43	1.52	2.02	2.09
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.08	.05	2.41	2.52	.31	.24
PATTERNMAKERS,METAL,WOOD	.05	.02	.02	.01	.13	.10	.32	.34	.06	.04
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.09	.16	1.72	1.66	2.99	3.01
SHEET METAL WORKERS	.01	.01	.07	.05	.09	.04	.15	.12	.13	.10
TOOLMAKERS AND DIEMAKERS	.34	.51	.37	.61	.55	.72	.74	.88	.14	.18
PRINTING TRADES CRAFTSMEN	.00	.00	.02	.01	.02	.01	.03	.04	.03	.02
COMPOSITORS,TYPESETTERS	.00	.00	.02	.01	.02	.01	.02	.02	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.06	.08	.00	.00	.00	.00	.18	.20	.35	.41
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.02	.03	.01	.02
LOCOMOTIVE ENGINEERS	.06	.08	.00	.00	.00	.00	.15	.17	.32	.37
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02
MECHANICS AND REPAIRMEN	2.64	2.66	2.18	2.21	3.77	4.56	3.71	3.63	4.40	4.45
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
MOTOR VEHICLE MECHANICS	.15	.18	.05	.08	.12	.14	.08	.09	.11	.12
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.04	.07	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.04	.06	.09	.12
OTHER MECHANICS AND REPAIR	2.49	2.48	2.13	2.13	3.61	4.35	3.57	3.46	4.19	4.20

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	STRUCTURAL CLAY PRODUCTS		POTTERY AND RELATED PRODUCTS		MISCELLANEOUS NONMETALLIC AND STONE		PRIMARY METAL INDUSTRIES		BLAST FURNACE AND STEEL WORKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.39	.29	.37	.32	3.30	2.55	5.34	5.11	8.31	8.08
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.13	.07	.02	.01	.78	.86	3.70	3.77	5.76	6.04
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.06	.07	.01	.01	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.00	.00	.00	.00	.50	.30	1.04	.66
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.26	.22	.35	.31	2.44	1.60	1.11	1.03	1.49	1.37
OPERATIVES AND KINDRED WORKERS	35.38	34.09	59.62	57.61	43.55	42.68	35.09	34.74	29.30	28.56
DRIVERS AND DELIVERYMEN	5.04	6.32	.88	.99	2.44	2.71	1.25	1.29	1.24	1.26
DRIVERS,BUS,TRUCK,TRACTOR	4.89	6.20	.80	.86	2.34	2.62	1.14	1.17	1.15	1.15
DELIVERYMEN AND ROUTEMEN	.15	.12	.08	.13	.11	.09	.11	.12	.09	.11
TRANSP AND PUB UTIL OPERATVS	.02	.03	.00	.00	.11	.16	.36	.42	.70	.81
BRAKEMEN AND SWITCHMEN RR	.02	.03	.00	.00	.05	.07	.30	.34	.62	.70
POWER STATION OPERATORS	.00	.00	.00	.00	.03	.06	.06	.08	.08	.10
SAILORS AND DECKHANDS	.00	.00	.00	.00	.03	.04	.00	.00	.01	.01
SEMISKILLED METALWORKING OCC	.75	.86	.50	.64	.91	1.10	8.98	9.41	8.00	8.42
FURNACEMN,SMELTRMN,POURERS	.04	.04	.17	.23	.32	.50	3.39	3.41	3.81	3.93
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.49	.55	.71	.77
WELDERS AND FLAME-CUTTERS	.71	.82	.33	.41	.58	.59	2.63	2.80	2.89	3.10
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.09	.10	.02	.02
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.42	.46	.13	.14
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	1.20	1.28	.43	.44
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.70	.76	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.04	.04	.01	.01
SEMISKILLED TEXTILE OCCUP	.00	.00	.02	.00	.19	.05	.02	.01	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.02	.00	.15	.04	.01	.00	.00	.00
OTHER OPERATIVES AND KINDRED	29.56	26.88	58.23	55.97	39.90	38.67	24.46	23.61	19.36	18.07
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.61	.65	.01	.01	.02	.02
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.10	.15	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.02	.04	.01	.01	.01	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	29.46	26.73	58.23	55.97	39.27	37.98	24.44	23.59	19.33	18.04
SERVICE WORKERS	1.31	1.55	1.60	1.82	1.45	1.01	1.74	1.39	1.90	1.58
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.78	.88	.57	.72	.52	.31	.84	.70	.85	.76
FIREMEN	.00	.00	.00	.00	.05	.09	.01	.02	.02	.04
GUARDS,WATCHMEN,DOORKEEPRS	.78	.88	.57	.72	.42	.13	.78	.64	.77	.67
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.06	.09	.04	.04	.06	.05
FOOD SERVICE WORKERS	.08	.12	.03	.01	.13	.13	.09	.08	.10	.11
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.04	.03	.01	.05	.04	.03	.02	.02	.02
COUNTER AND FOUNTAIN WKRS	.05	.08	.00	.00	.06	.07	.04	.03	.04	.04
WAITERS AND WAITRESSES	.00	.00	.00	.00	.02	.02	.03	.03	.04	.04
OTHER SERVICE WORKERS	.46	.56	1.00	1.09	.80	.57	.81	.61	.95	.71
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02
CHARWOMEN AND CLEANERS	.13	.21	.31	.47	.18	.16	.08	.08	.01	.02
JANITORS AND SEXTONS	.27	.27	.56	.47	.44	.42	.29	.23	.10	.08
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
SERVICE WORKERS,NEC	.05	.08	.13	.15	.19	.00	.43	.28	.81	.58
LABORERS,EXCEPT FARM AND MINE	28.33	24.62	7.35	3.16	6.89	3.82	12.00	9.05	16.64	14.06
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.85	6.07	6.59	8.86	11.59	13.42	11.69	17.17	9.13	11.21
ENGINEERS,TECHNICAL	1.37	2.27	2.62	3.61	5.48	5.42	4.30	6.20	3.52	4.64
ENGINEERS,AERONAUTICAL	.00	.00	.01	.01	.33	.24	.01	.01	.00	.00
ENGINEERS,CHEMICAL	.02	.05	.10	.08	.14	.13	.05	.04	.00	.00
ENGINEERS,CIVIL	.05	.05	.09	.09	.22	.18	.04	.04	.03	.03
ENGINEERS,ELECTRICAL	.05	.10	.20	.23	.87	.71	.50	.86	.05	.07
ENGINEERS,INDUSTRIAL	.33	.69	.47	.64	.77	.98	.60	.99	.54	.83
ENGINEERS,MECHANICAL	.21	.31	.51	.60	1.89	1.97	1.93	2.51	1.99	2.78
ENGINEERS,METALLURG,ETC	.41	.60	.83	.83	.26	.28	.10	.11	.31	.31
ENGINEERS,MINING	.01	.01	.01	.01	.00	.00	.01	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.30	.47	.42	.53	.99	.91	1.07	1.65	.58	.63
NATURAL SCIENTISTS	.13	.19	.36	.38	.68	.89	.40	.52	.18	.21
CHEMISTS	.09	.14	.28	.30	.14	.19	.10	.13	.08	.08
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.01	.04	.06
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.01	.03	.01	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.01	.01	.01	.03	.01	.00	.00	.00
MATHEMATICIANS	.03	.04	.03	.04	.30	.36	.24	.31	.02	.03
PHYSICISTS	.01	.01	.01	.03	.19	.24	.04	.06	.03	.03
OTHER NATURAL SCIENTISTS	.00	.00	.01	.01	.03	.04	.01	.01	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	.84	1.46	1.18	1.74	2.81	3.07	3.62	4.93	2.59	2.80
DRAFTSMEN	.49	.56	.41	.52	1.35	1.52	2.01	2.71	1.37	1.52
SURVEYORS	.01	.01	.00	.00	.01	.00	.02	.02	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
TECHNICIANS,OTHER	.35	.89	.77	1.22	1.45	1.53	1.60	2.19	1.22	1.28
MEDICAL,OTHER HEALTH WORKERS	.08	.08	.07	.09	.04	.09	.07	.10	.08	.10
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
NURSES,PROFESSIONAL	.06	.06	.06	.08	.03	.07	.04	.07	.04	.04
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.01	.01	.01	.00	.00	.01	.01	.02	.03
PSYCHOLOGISTS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.03	.02	.02	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.03	.02	.02	.01	.01
SOCIAL SCIENTISTS	.07	.09	.09	.13	.06	.07	.06	.06	.04	.05
ECONOMISTS	.00	.00	.00	.00	.02	.02	.04	.03	.03	.03
STATISTICIANS + ACTUARIES	.05	.08	.08	.11	.04	.04	.02	.03	.01	.02
OTHER SOCIAL SCIENTISTS	.02	.01	.01	.02	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.35	1.97	2.28	3.51	2.50	3.86	3.22	5.34	2.72	3.39
ACCOUNTANTS AND AUDITORS	.43	.65	.82	1.32	.46	.64	.69	.94	.76	.92
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.03	.08	.02	.05	.03	.09	.00	.00
ARCHITECTS	.00	.00	.02	.02	.01	.01	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.02	.01	.05	.05	.26	.23	.20	.19	.17	.15
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.08	.10	.05	.05	.20	.24	.34	.29	.31	.26
EDITORS AND REPORTERS	.01	.01	.01	.01	.04	.03	.05	.05	.07	.06
LAWYERS AND JUDGES	.00	.00	.02	.01	.02	.03	.02	.02	.00	.00
LIBRARIANS	.00	.00	.00	.00	.02	.02	.01	.02	.00	.00
PERSONNEL AND LAB REL WRKS	.37	.50	.41	.53	.28	.37	.24	.29	.22	.23
PHOTOGRAPHERS	.01	.01	.02	.02	.05	.04	.06	.04	.03	.02
SOCIAL AND WELFARE WORKERS	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.42	.67	.84	1.41	1.14	2.20	1.58	3.43	1.16	1.75
MANAGERS,OFFICIALS,PROPRIETORS	4.44	4.31	5.44	5.53	6.40	7.04	6.79	6.89	5.46	6.94
CONDUCTORS,RAILROAD	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.03	.04	.02	.03	.06	.07	.13	.12
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.38	.35	.47	.49	.59	.60	.65	.59	.59	.49
MANAGERS,OFFICE,PROP. NEC	4.05	3.95	4.92	4.99	5.78	6.41	6.08	6.22	4.74	4.33

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	10.94	10.99	12.95	13.26	12.43	12.40	13.83	12.14	13.48	12.15
STENOS, TYPISTS,SECRETARIES	2.49	2.64	3.85	4.09	3.29	3.38	3.89	3.69	3.53	3.27
OFFICE MACHINE OPERATORS	.49	.58	.75	1.11	.57	.70	.84	.93	.85	.88
OTHER CLERICAL,KINDRED WRKRS	7.96	7.76	8.35	8.06	8.57	8.32	9.10	7.53	9.10	8.00
ACCOUNTING CLERKS	.75	.77	.47	.29	.44	.46	.48	.30	.32	.26
BOOKKEEPERS,HAND	.00	.00	.16	.10	.23	.13	.42	.30	.55	.47
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.03	.04	.06	.04	.04	.04	.01	.05	.02
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	1.12	1.15	1.35	1.21	1.35	1.39	1.01	.92	1.37	1.51
TELEPHONE OPERATORS	.20	.24	.20	.20	.13	.16	.11	.11	.10	.12
CLERICAL AND KINDRED,NEC	5.84	5.58	6.13	6.20	6.38	6.14	7.05	5.89	6.71	5.63
SALES WORKERS	1.32	1.58	2.43	2.93	1.73	1.94	2.21	2.00	1.96	1.87
CRAFTSMEN,FOREMEN AND KINDRED	30.27	32.45	22.69	22.45	23.63	23.29	25.99	25.04	22.35	23.50
CONSTRUCTION CRAFTSMEN	2.[illegible]	2.71	2.66	3.10	1.86	2.01	.98	1.08	1.13	1.23
CARPENTERS	.18	.19	.32	.30	.21	.21	.14	.09	.15	.13
BRICKMASONS AND TILE SETRS	.27	.34	.23	.29	.05	.04	.02	.04	.07	.10
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.05	.02
ELECTRICIANS	1.04	1.28	1.31	1.45	.54	.58	.52	.59	.57	.62
EXCAVATNG,GRADNG MACH OPER	.13	.14	.09	.11	.03	.04	.01	.02	.08	.09
PAINTERS AND PAPERHANGERS	.12	.09	.03	.02	.36	.37	.03	.04	.07	.06
PLASTERERS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.35	.48	.64	.87	.28	.35	.20	.26	.14	.18
ROOFERS AND SLATERS	.00	.00	.00	.00	.02	.02	.00	.00	.01	.02
STRUCTURAL METALWORKERS	.16	.19	.03	.06	.38	.40	.03	.04	.00	.00
FOREMEN NEC	5.72	5.77	6.15	6.01	4.99	4.48	4.07	3.90	5.18	5.36
METALWKNG CRAFTS EXC MECH	15.27	16.70	8.11	7.85	11.05	11.50	15.51	15.14	10.29	11.46
MACHINISTS AND RELATED OCC	2.56	2.74	2.60	2.42	5.28	5.70	10.25	9.75	6.33	7.08
BLKSMITHS,FORGMN,HAMMERMEN	.95	1.21	.18	.18	.17	.20	.11	.09	.21	.25
BOILERMAKERS	.09	.07	.06	.04	.29	.25	.02	.01	.00	.00
HEAT TREATERS,ANNEALERS	1.07	1.19	.43	.44	.23	.22	.29	.29	.29	.27
MILLWRIGHTS	1.06	1.14	.93	1.15	.33	.34	.23	.22	.30	.28
MOLDERS,METAL,EXC COREMKRS	6.60	7.04	1.56	1.31	.45	.46	.48	.47	.87	.86
PATTERNMAKERS,METAL,WOOD	.86	.94	.18	.17	.21	.20	.27	.27	.51	.70
ROLLERS AND ROLL HANDS	.94	1.05	.62	.50	.34	.39	.03	.03	.01	.01
SHEET METAL WORKERS	.12	.13	.19	.15	1.88	1.47	.48	.46	.40	.42
TOOLMAKERS AND DIEMAKERS	1.01	1.18	1.36	1.49	1.87	2.28	3.35	3.55	1.37	1.59
PRINTING TRADES CRAFTSMEN	.04	.05	.03	.04	.20	.21	.11	.11	.06	.06
COMPOSITORS,TYPESETTERS	.03	.05	.02	.02	.04	.04	.03	.03	.01	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.02	.02	.06	.06	.04	.03	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.06	.06	.01	.02	.01	.01
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.04	.05	.02	.02	.03	.04
TRANSPORT AND PUB UTIL CRAFT	.07	.12	.02	.02	.01	.01	.02	.04	.05	.07
LINEMEN AND SERVICEMEN	.02	.05	.02	.02	.00	.00	.01	.02	.05	.07
LOCOMOTIVE ENGINEERS	.05	.07	.00	.00	.01	.01	.01	.01	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
MECHANICS AND REPAIRMEN	3.35	3.37	3.05	2.83	3.82	3.49	3.69	3.21	4.49	4.27
AIRPLANE MECH AND REPAIRMN	.00	.00	.01	.02	.09	.11	.03	.04	.00	.00
MOTOR VEHICLE MECHANICS	.07	.06	.06	.06	.08	.07	.13	.11	.78	.79
OFFICE MACHINE MECHANICS	.00	.00	.01	.04	.02	.03	.41	.36	.02	.04
RADIO AND TV MECHANICS	.00	.00	.00	.01	.06	.07	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00
OTHER MECHANICS AND REPAIR	3.27	3.29	2.96	2.69	3.58	3.21	3.11	2.69	3.70	3.44

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER PRIMARY METAL INDUSTRIES		PRIMARY NONFERROUS METAL		FABRICATED METAL PRODUCTS NEC		MACHINERY EXCEPT ELECTRICAL		FARM MACHINERY AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	3.59	3.74	2.67	2.60	1.69	1.58	1.61	1.57	1.15	1.06
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
CRANE,DERRICK,HOIST MEN	2.67	2.87	1.69	1.73	.62	.64	.40	.42	.32	.30
GLAZIERS	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.01	.02	.01	.01	.00	.00
LOOM FIXERS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.16	.10	.04	.02	.03	.01	.01	.00	.03	.02
UPHOLSTERERS	.00	.00	.00	.00	.02	.02	.05	.04	.00	.00
CRAFTSMEN AND KINDRED NEC	.73	.74	.93	.85	.92	.82	1.13	1.08	.81	.74
OPERATIVES AND KINDRED WORKERS	36.90	36.36	41.72	41.08	39.14	37.90	36.10	34.20	42.24	42.10
DRIVERS AND DELIVERYMEN	1.36	1.41	1.17	1.22	.95	.97	.53	.51	1.29	1.43
DRIVERS,BUS,TRUCK,TRACTOR	1.22	1.25	1.06	1.11	.87	.89	.45	.43	1.15	1.31
DELIVERYMEN AND ROUTEMEN	.15	.15	.11	.10	.09	.08	.09	.08	.14	.12
TRANSP AND PUB UTIL OPERATVS	.13	.19	.10	.12	.01	.01	.02	.02	.02	.04
BRAKEMEN AND SWITCHMEN RR	.10	.13	.05	.06	.01	.01	.01	.01	.00	.00
POWER STATION OPERATORS	.04	.06	.05	.06	.00	.00	.01	.01	.02	.04
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	10.37	10.85	9.12	9.37	17.88	18.70	18.54	18.48	18.67	19.32
FURNACEMN,SMELTRMN,POURERS	2.74	2.69	3.39	3.42	.37	.40	.20	.19	.34	.36
HEATERS,METAL	.57	.71	.10	.13	.02	.02	.02	.02	.01	.01
WELDERS AND FLAME-CUTTERS	3.43	3.72	1.52	1.59	5.47	5.68	3.98	4.58	6.94	7.66
ASSEMBLERS,MTLWRK,CLASS A	.10	.11	.16	.18	.70	.81	2.19	2.40	.79	.91
ASSEMBLERS,MTLWRK,CLASS B	.49	.51	.79	.82	3.52	3.58	5.01	5.16	4.29	4.56
INSPECTORS,MTLWRK,CLASS B	1.61	1.66	1.94	1.98	2.45	2.59	1.41	1.28	1.61	1.53
MACHINE TOOL OPER,CLASS B	1.41	1.46	1.05	1.07	3.76	3.98	5.83	4.76	4.70	4.29
ELECTROPLATERS	.00	.00	.07	.07	.64	.64	.04	.04	.00	.00
ELECTROPLATERS HELPERS	.01	.01	.10	.11	.93	1.01	.06	.06	.00	.00
SEMISKILLED TEXTILE OCCUP	.05	.04	.02	.01	.05	.04	.03	.02	.08	.07
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
SEWERS AND STITCHERS,MFG	.01	.00	.02	.01	.04	.03	.03	.01	.08	.07
OTHER OPERATIVES AND KINDRED	25.00	23.88	31.31	30.37	20.24	18.18	16.97	15.16	22.17	21.24
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.03	.04	.01	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.02	.03	.00	.00	.02	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	24.98	23.86	31.30	30.36	20.20	18.11	16.96	15.15	22.14	21.22
SERVICE WORKERS	1.69	1.39	1.54	1.17	1.34	1.39	1.17	.99	1.31	1.28
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.85	.72	.80	.60	.62	.64	.41	.28	.55	.54
FIREMEN	.01	.01	.01	.01	.03	.05	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.82	.67	.77	.58	.56	.54	.41	.27	.52	.50
POLICE,OTH LAW ENFORCE OFF	.03	.04	.02	.01	.02	.04	.01	.01	.03	.03
FOOD SERVICE WORKERS	.08	.07	.07	.05	.08	.08	.07	.06	.03	.03
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.04	.03	.02	.02	.02	.02	.02	.01	.01	.01
COUNTER AND FOUNTAIN WKRS	.02	.02	.04	.03	.04	.04	.04	.03	.01	.01
WAITERS AND WAITRESSES	.02	.02	.01	.01	.02	.02	.02	.01	.01	.01
OTHER SERVICE WORKERS	.75	.59	.67	.52	.64	.67	.68	.64	.73	.71
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.02	.03	.00	.00	.01	.02	.00	.00
CHARWOMEN AND CLEANERS	.18	.18	.08	.06	.11	.12	.12	.14	.09	.08
JANITORS AND SEXTONS	.44	.32	.41	.33	.34	.32	.36	.30	.55	.59
NURSES,PRACTICAL	.00	.00	.02	.01	.01	.01	.00	.00	.00	.00
SERVICE WORKERS,NEC	.13	.09	.14	.08	.19	.22	.18	.19	.09	.05
LABORERS,EXCEPT FARM AND MINE	10.59	6.86	6.64	4.71	3.76	2.61	2.23	1.58	4.07	2.94
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	23.39	36.98	9.79	13.54	18.47	24.33	14.99	16.04	8.34	9.40
ENGINEERS,TECHNICAL	6.89	11.35	3.90	5.26	7.83	10.29	6.26	7.08	2.87	2.87
ENGINEERS,AERONAUTICAL	.00	.00	.01	.01	.03	.03	2.24	2.21	.01	.01
ENGINEERS,CHEMICAL	.09	.15	.04	.02	.14	.20	.08	.09	.03	.02
ENGINEERS,CIVIL	.00	.00	.05	.05	.05	.05	.17	.21	.03	.02
ENGINEERS,ELECTRICAL	2.64	4.19	.15	.23	4.54	5.80	.79	.91	.12	.10
ENGINEERS,INDUSTRIAL	1.06	1.85	.52	.82	.96	1.48	.78	1.15	.62	.64
ENGINEERS,MECHANICAL	1.66	2.48	1.98	2.49	1.03	1.32	1.66	1.90	1.56	1.54
ENGINEERS,METALLURG,ETC	.13	.19	.07	.07	.09	.16	.12	.15	.11	.09
ENGINEERS,MINING	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	1.33	2.48	1.06	1.56	.98	1.24	.42	.47	.37	.44
NATURAL SCIENTISTS	2.17	2.57	.10	.12	.61	.65	.50	.63	.17	.19
CHEMISTS	.37	.46	.05	.06	.13	.16	.13	.14	.08	.08
AGRICULTURAL SCIENTISTS	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
MATHEMATICIANS	1.52	1.69	.03	.04	.23	.24	.24	.34	.06	.06
PHYSICISTS	.21	.33	.00	.01	.15	.16	.08	.10	.02	.02
OTHER NATURAL SCIENTISTS	.03	.04	.00	.00	.08	.06	.03	.03	.01	.02
TECHNICIANS,EXC MEDICAL,DENT	6.38	12.08	3.21	3.61	5.57	6.55	4.44	3.49	1.96	2.33
DRAFTSMEN	1.31	2.19	2.18	2.93	1.66	2.10	1.25	1.34	.81	.88
SURVEYORS	.07	.08	.01	.01	.04	.04	.01	.01	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
TECHNICIANS,OTHER	5.00	9.81	1.02	.68	3.86	4.38	3.17	2.14	1.15	1.45
MEDICAL,OTHER HEALTH WORKERS	.08	.13	.06	.10	.06	.08	.06	.06	.06	.05
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
NURSES,PROFESSIONAL	.04	.07	.05	.07	.04	.04	.04	.03	.04	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.01	.01	.01	.02	.01	.02
PSYCHOLOGISTS	.04	.05	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.01	.00	.00	.01	.01	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.13	.09	.01	.00	.04	.04	.02	.02	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.13	.09	.01	.00	.04	.04	.02	.02	.01	.01
SOCIAL SCIENTISTS	.13	.17	.05	.03	.12	.14	.09	.09	.09	.07
ECONOMISTS	.03	.05	.04	.03	.08	.09	.03	.02	.04	.03
STATISTICIANS + ACTUARIES	.09	.13	.01	.01	.04	.04	.06	.07	.04	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	7.60	10.58	2.47	4.42	4.24	6.58	3.63	4.66	3.18	3.87
ACCOUNTANTS AND AUDITORS	1.01	1.23	.62	.88	.72	1.06	.66	.89	.84	1.12
AIRPLANE PILOTS,NAVIGATORS	.05	.11	.04	.09	.02	.07	.07	.12	.01	.02
ARCHITECTS	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.55	.41	.14	.14	.30	.25	.47	.50	.22	.21
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	1.00	1.08	.22	.12	.45	.48	.23	.24	.27	.25
EDITORS AND REPORTERS	.14	.10	.03	.04	.07	.08	.05	.06	.02	.02
LAWYERS AND JUDGES	.05	.05	.02	.01	.06	.06	.05	.06	.05	.07
LIBRARIANS	.03	.04	.01	.02	.03	.03	.01	.01	.00	.00
PERSONNEL AND LAB REL WRKS	.36	.43	.23	.27	.35	.42	.31	.37	.34	.41
PHOTOGRAPHERS	.09	.05	.05	.04	.06	.05	.06	.04	.02	.01
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	4.34	7.08	1.12	2.81	2.17	4.09	1.68	2.35	1.41	1.76
MANAGERS,OFFICIALS,PROPRIETORS	7.66	8.11	6.74	6.80	4.78	4.18	3.33	3.31	2.99	3.13
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.06	.08	.04	.07	.02	.02	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.69	.63	.65	.59	.71	.71	.63	.59	.40	.39
MANAGERS,OFFICE,PROP. NEC	6.96	7.47	6.03	6.13	4.03	3.40	2.66	2.68	2.57	2.72

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
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OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	18.77	15.68	12.96	11.40	14.17	13.74	12.09	10.03	10.45	8.14
STENOS, TYPISTS, SECRETARIES	6.49	5.84	3.45	3.27	3.77	4.82	3.05	2.79	2.45	2.33
OFFICE MACHINE OPERATORS	.91	.99	.82	.92	1.05	1.46	.56	.61	.66	.72
OTHER CLERICAL, KINDRED WRKRS	11.38	8.85	8.69	7.21	8.35	7.47	8.48	6.62	7.33	5.08
ACCOUNTING CLERKS	.41	.33	.50	.30	.50	.50	.40	.38	.49	.48
BOOKKEEPERS, HAND	.37	.19	.42	.31	.29	.30	.10	.09	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.09	.08	.03	.00	.06	.05	.05	.05	.06	.05
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.51	.33	1.07	.99	1.08	1.11	.53	.46	.58	.53
TELEPHONE OPERATORS	.13	.11	.11	.11	.16	.17	.10	.08	.10	.06
CLERICAL AND KINDRED, NEC	9.86	7.82	6.57	5.51	6.30	5.34	7.30	5.57	6.10	3.96
SALES WORKERS	4.65	3.51	1.80	1.69	1.46	1.59	.59	.55	.72	.60
CRAFTSMEN, FOREMEN AND KINDRED	14.38	11.00	28.38	28.13	16.18	16.20	26.10	26.81	20.44	19.32
CONSTRUCTION CRAFTSMEN	.33	.31	1.08	1.23	1.03	1.11	5.38	6.47	1.53	1.70
CARPENTERS	.06	.06	.16	.09	.12	.11	1.28	1.38	.17	.19
BRICKMASONS AND TILE SETRS	.00	.00	.02	.04	.02	.03	.05	.05	.03	.03
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
ELECTRICIANS	.18	.14	.58	.68	.72	.74	1.76	2.10	.89	.95
EXCAVATNG, GRADNG MACH OPER	.00	.00	.01	.01	.00	.01	.02	.03	.00	.00
PAINTERS AND PAPERHANGERS	.01	.01	.03	.04	.03	.04	.34	.34	.06	.04
PLASTERERS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.08	.10	.22	.30	.12	.14	.97	1.40	.36	.46
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.04	.05	.02	.04	.92	1.15	.01	.01
FOREMEN NEC	2.19	1.76	4.32	4.22	4.43	4.24	4.20	3.99	4.02	3.79
METALWKNG CRAFTS EXC MECH	5.48	4.40	17.75	17.72	5.57	5.57	9.20	9.27	7.94	7.82
MACHINISTS AND RELATED OCC	2.99	2.14	11.88	11.59	3.04	2.82	4.44	4.07	2.88	2.77
BLKSMITHS, FORGMN, HAMMERMEN	.01	.01	.11	.10	.03	.03	.11	.10	.10	.11
BOILERMAKERS	.00	.00	.02	.01	.01	.01	.19	.22	.00	.00
HEAT TREATERS, ANNEALERS	.09	.07	.33	.33	.06	.05	.15	.13	.16	.12
MILLWRIGHTS	.05	.04	.25	.25	.19	.17	.39	.38	.69	.67
MOLDERS, METAL, EXC COREMKRS	.06	.05	.52	.52	.22	.24	.14	.10	.12	.05
PATTERNMAKERS, METAL, WOOD	.38	.40	.24	.21	.33	.40	.40	.38	.40	.35
ROLLERS AND ROLL HANDS	.05	.04	.03	.03	.02	.03	.02	.02	.03	.02
SHEET METAL WORKERS	.07	.06	.56	.55	.46	.63	1.34	1.59	.38	.41
TOOLMAKERS AND DIEMAKERS	1.78	1.60	3.80	4.14	1.21	1.20	2.03	2.29	3.17	3.32
PRINTING TRADES CRAFTSMEN	.19	.15	.10	.11	.10	.12	.06	.06	.02	.02
COMPOSITORS, TYPESETTERS	.08	.07	.03	.02	.05	.06	.02	.03	.01	.01
ELECTROTYPERS, STEREOTYPERS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.07	.05	.03	.03	.02	.03	.01	.01	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.02	.02	.01	.02	.01	.01	.01	.01	.00	.00
PRESSMEN, PLATE PRINTERS	.02	.01	.01	.02	.02	.02	.02	.02	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.01	.03	.02	.04	.54	.82	.03	.03	.03	.05
LINEMEN AND SERVICEMEN	.01	.03	.01	.02	.54	.82	.01	.02	.02	.04
LOCOMOTIVE ENGINEERS	.00	.00	.01	.02	.00	.00	.01	.01	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	5.11	3.61	3.37	3.03	3.16	3.03	5.47	5.67	5.29	4.85
AIRPLANE MECH AND REPAIRMN	.00	.00	.03	.05	.05	.08	1.78	2.28	.03	.06
MOTOR VEHICLE MECHANICS	.03	.03	.10	.06	.02	.02	1.36	1.29	3.12	2.97
OFFICE MACHINE MECHANICS	2.86	2.23	.00	.00	.02	.03	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.25	.30	.14	.15	.01	.01
RR AND CAR SHOP MECHANICS	.00	.00	.01	.01	.00	.00	.05	.05	.00	.00
OTHER MECHANICS AND REPAIR	2.22	1.34	3.23	2.90	2.82	2.59	2.14	1.89	2.13	1.81

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OCCUPATION	OFFICE MACHINERY		MISCELLANEOUS MACHINERY		ELECTRICAL MACHINERY		TRANSPORTATION EQUIPMENT		MOTOR VEHICLES AND EQUIPMENT	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.07	.75	1.74	1.78	1.34	1.31	1.76	1.31	1.62	1.09
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.03	.02	.01	.01	.02	.02	.17	.12	.01	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.48	.51	.11	.10	.36	.34	.37	.36
GLAZIERS	.01	.01	.00	.00	.00	.00	.02	.03	.04	.05
JEWELERS AND WATCHMAKERS	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
INSPECTORS,OTHER	.01	.01	.01	.00	.02	.01	.08	.06	.02	.02
UPHOLSTERERS	.00	.00	.06	.05	.00	.00	.12	.08	.15	.08
CRAFTSMEN AND KINDRED NEC	1.00	.73	1.18	1.20	1.18	1.16	1.00	.67	1.03	.58
OPERATIVES AND KINDRED WORKERS	29.73	23.75	36.74	35.68	42.24	38.04	38.72	39.60	52.87	55.56
DRIVERS AND DELIVERYMEN	.15	.11	.54	.51	.37	.35	.76	.73	1.04	.96
DRIVERS,BUS,TRUCK,TRACTOR	.09	.08	.45	.43	.31	.30	.60	.62	.78	.80
DELIVERYMEN AND ROUTEMEN	.06	.02	.09	.08	.06	.05	.16	.11	.26	.16
TRANSP AND PUB UTIL OPERATVS	.00	.00	.02	.02	.00	.00	.05	.06	.06	.07
BRAKEMEN AND SWITCHMEN RR	.00	.00	.01	.01	.00	.00	.02	.02	.02	.02
POWER STATION OPERATORS	.00	.00	.01	.01	.00	.00	.02	.02	.04	.04
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
SEMISKILLED METALWORKING OCC	16.58	15.83	18.88	18.96	19.47	18.76	22.05	22.50	33.89	34.56
FURNACEMN,SMELTRMN,POURERS	.06	.06	.21	.20	.10	.07	.12	.11	.17	.15
HEATERS,METAL	.00	.00	.02	.02	.00	.00	.04	.04	.05	.04
WELDERS AND FLAME-CUTTERS	.53	.32	4.36	5.20	1.88	1.90	4.76	5.08	4.59	5.74
ASSEMBLERS,MTLWRK,CLASS A	.89	1.10	2.54	2.80	2.11	2.02	.99	1.14	.28	.41
ASSEMBLERS,MTLWRK,CLASS B	9.72	10.40	4.22	4.12	10.12	9.95	8.85	8.99	16.54	16.45
INSPECTORS,MTLWRK,CLASS B	1.77	1.50	1.33	1.20	3.34	3.08	2.80	2.90	4.54	4.55
MACHINE TOOL OPER,CLASS B	3.21	2.17	6.14	5.35	1.60	1.43	4.27	4.02	7.33	6.84
ELECTROPLATERS	.18	.13	.02	.02	.13	.12	.09	.08	.15	.15
ELECTROPLATERS HELPERS	.23	.15	.04	.05	.19	.20	.13	.13	.23	.22
SEMISKILLED TEXTILE OCCUP	.01	.00	.03	.02	.07	.06	.33	.34	.54	.60
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.01	.00	.03	.01	.07	.06	.33	.34	.54	.60
OTHER OPERATIVES AND KINDRED	12.99	7.81	17.27	16.16	22.32	18.87	15.52	15.98	17.34	19.38
ASBESTOS,INSULATION WRKS	.02	.02	.00	.00	.05	.05	.14	.16	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.02	.03	.02	.02	.03	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	12.97	7.79	17.26	16.15	22.25	18.78	15.36	15.80	17.30	19.35
SERVICE WORKERS	.87	.80	1.21	1.04	1.23	.96	1.59	1.40	1.65	1.45
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.27	.12	.43	.30	.45	.28	.72	.64	.65	.60
FIREMEN	.00	.00	.00	.00	.01	.01	.05	.09	.02	.02
GUARDS,WATCHMEN,DOORKEEPRS	.26	.10	.42	.29	.42	.26	.64	.52	.63	.57
POLICE,OTH LAW ENFORCE OFF	.01	.02	.00	.01	.02	.01	.03	.03	.01	.01
FOOD SERVICE WORKERS	.17	.17	.06	.04	.09	.08	.11	.11	.11	.14
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.02	.02	.01	.02	.02	.03	.03	.03	.03
COUNTER AND FOUNTAIN WKRS	.13	.14	.02	.01	.05	.04	.06	.05	.06	.05
WAITERS AND WAITRESSES	.02	.01	.02	.01	.02	.02	.02	.03	.03	.05
OTHER SERVICE WORKERS	.42	.31	.72	.71	.69	.59	.76	.65	.88	.71
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.02	.02	.00	.00	.01	.01	.00	.00
CHARWOMEN AND CLEANERS	.03	.02	.14	.17	.07	.07	.12	.12	.21	.21
JANITORS AND SEXTONS	.23	.17	.37	.30	.30	.24	.41	.31	.44	.27
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.16	.11	.19	.21	.32	.28	.22	.20	.23	.23
LABORERS,EXCEPT FARM AND MINE	.56	.37	2.38	1.71	1.46	.96	2.60	2.26	2.55	2.41
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	27.35	28.53	9.70	9.80	4.65	6.38	17.68	23.19	18.60	24.33
ENGINEERS,TECHNICAL	12.58	14.68	3.11	3.17	1.80	2.50	7.18	9.25	7.52	9.65
ENGINEERS,AERONAUTICAL	6.30	6.19	.03	.03	.00	.04	.08	.11	.08	.11
ENGINEERS,CHEMICAL	.18	.2-	.02	.03	.00	.00	.19	.17	.20	.19
ENGINEERS,CIVIL	.40	.53	.08	.07	.02	.03	.03	.03	.04	.03
ENGINEERS,ELECTRICAL	1.76	2.08	.68	.75	.15	.19	2.05	2.43	2.19	2.59
ENGINEERS,INDUSTRIAL	1.31	2.31	.21	.20	.29	.45	1.18	1.75	1.19	1.78
ENGINEERS,MECHANICAL	2.36	2.64	1.42	1.52	.89	1.19	1.27	1.38	1.31	1.43
ENGINEERS,METALLURG,ETC	.19	.28	.05	.05	.02	.02	.03	.03	.03	.04
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.37	.46	.64	.52	.43	.58	2.36	3.35	2.48	3.44
NATURAL SCIENTISTS	1.11	1.44	.21	.26	.00	.00	1.41	1.84	1.51	1.96
CHEMISTS	.26	.27	.07	.10	.00	.00	1.01	1.14	1.08	1.21
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.01	.02	.00	.00	.00	.00	.02	.04	.02	.04
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.59	.87	.06	.07	.00	.00	.11	.16	.11	.18
PHYSICISTS	.20	.23	.02	.02	.00	.00	.23	.39	.24	.41
OTHER NATURAL SCIENTISTS	.05	.05	.04	.04	.00	.00	.04	.11	.05	.12
TECHNICIANS,EXC MEDICAL,DENT	8.18	4.93	4.17	4.08	1.24	1.73	4.26	5.61	4.48	5.90
DRAFTSMEN	1.57	1.76	1.80	1.44	1.11	1.60	1.52	1.79	1.57	1.84
SURVEYORS	.00	.00	.04	.02	.02	.03	.01	.01	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.01	.00	.03	.03	.00	.00	.01	.01	.00	.00
TECHNICIANS,OTHER	6.59	3.14	2.30	2.59	.11	.10	2.73	3.80	2.90	4.03
MEDICAL,OTHER HEALTH WORKERS	.06	.08	.05	.03	.05	.05	.16	.14	.17	.14
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.02	.02	.01	.02	.01	.02
NURSES,PROFESSIONAL	.03	.04	.04	.02	.03	.03	.02	.01	.01	.01
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.04	.03	.04	.03
PHYSICIANS AND SURGEONS	.01	.03	.01	.01	.00	.00	.02	.02	.02	.02
PSYCHOLOGISTS	.01	.01	.00	.00	.00	.00	.01	.00	.01	.00
TECHNICIANS,MEDICAL,DENTAL	.01	.01	.01	.01	.00	.00	.07	.06	.07	.07
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.02	.02	.09	.07	.00	.00	.04	.05	.04	.05
TEACHERS,ELEMENTARY	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.01	.00	.00	.00	.00	.03	.00	.00	.00
TEACHERS,OTHER	.02	.02	.09	.07	.00	.00	.04	.05	.04	.05
SOCIAL SCIENTISTS	.14	.16	.02	.02	.00	.00	.09	.10	.10	.10
ECONOMISTS	.02	.02	.01	.01	.00	.00	.02	.02	.02	.02
STATISTICIANS + ACTUARIES	.12	.14	.01	.01	.00	.00	.06	.06	.06	.07
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OTHER PROF,TECH AND KINDRED	5.27	7.21	2.06	2.17	1.57	2.10	4.54	6.21	4.80	6.52
ACCOUNTANTS AND AUDITORS	.65	.91	.28	.34	.52	.74	.58	.80	.61	.85
AIRPLANE PILOTS,NAVIGATORS	.19	.31	.00	.00	.03	.04	.04	.05	.04	.05
ARCHITECTS	.00	.00	.16	.11	.00	.00	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	1.05	1.12	.03	.03	.06	.06	.42	.39	.45	.42
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.09	.39	.56	.64	.06	.06	.54	.58	.56	.61
EDITORS AND REPORTERS	.13	.12	.03	.02	.03	.03	.09	.10	.10	.11
LAWYERS AND JUDGES	.07	.07	.03	.03	.07	.04	.09	.09	.09	.10
LIBRARIANS	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.29	.36	.30	.30	.22	.27	.36	.51	.38	.53
PHOTOGRAPHERS	.12	.09	.04	.02	.04	.03	.07	.06	.08	.07
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	2.69	4.08	.63	.68	.55	.83	2.35	3.60	2.48	3.76
MANAGERS,OFFICIALS,PROPRIETORS	3.53	3.45	3.51	3.06	3.92	4.28	6.12	5.64	6.16	5.72
CONDUCTORS,RAILROAD	.00	.03	.01	.02	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.00	.00	.11	.11	.01	.02	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.15	.13	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	1.03	.98	.42	.38	.43	.35	.84	1.01	.85	1.04
MANAGERS,OFFICE,PROP. NEC	2.49	2.47	2.93	2.54	3.38	3.81	5.27	4.61	5.30	4.67

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	15.37	12.61	10.46	9.42	9.14	9.60	17.36	17.06	17.65	17.46
STENOS, TYPISTS,SECRETARIES	4.23	3.73	2.42	2.17	2.17	2.19	5.13	5.01	5.23	5.12
OFFICE MACHINE OPERATORS	.57	.61	.33	.42	.36	.41	.73	1.27	.73	1.28
OTHER CLERICAL,KINDRED WRKRS	10.57	8.27	7.71	6.83	6.61	7.00	11.50	10.78	11.69	11.06
ACCOUNTING CLERKS	.26	.24	.45	.43	.42	.44	.32	.28	.33	.29
BOOKKEEPERS,HAND	.16	.16	.13	.11	.28	.30	.66	.58	.64	.55
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.03	.05	.04	.08	.07	.03	.04	.03	.03
MAIL CARRIERS	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.50	.33	.23	.25	1.00	1.13	1.00	.92	1.07	.98
TELEPHONE OPERATORS	.10	.06	.14	.13	.09	.10	.17	.14	.16	.13
CLERICAL AND KINDRED,NEC	9.51	7.45	6.71	5.86	4.75	4.95	9.31	8.83	9.46	9.07
SALES WORKERS	.42	.43	.34	.35	1.08	1.27	2.18	1.91	2.19	1.88
CRAFTSMEN,FOREMEN AND KINDRED	24.14	25.49	45.68	48.70	27.44	28.38	18.79	17.41	18.76	17.20
CONSTRUCTION CRAFTSMEN	2.34	3.04	22.49	26.22	6.70	7.30	1.02	1.27	1.07	1.33
CARPENTERS	.17	.10	6.15	6.54	2.87	3.20	.12	.13	.12	.13
BRICKMASONS AND TILE SETRS	.01	.01	.09	.10	.24	.30	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.06	.02	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.76	2.31	4.35	4.91	1.44	1.50	.59	.74	.62	.78
EXCAVATNG,GRADNG MACH OPER	.03	.03	.08	.09	.00	.00	.01	.01	.01	.01
PAINTERS AND PAPERHANGERS	.06	.05	1.73	1.71	.50	.50	.04	.04	.04	.04
PLASTERERS	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.27	.45	4.33	6.12	.91	1.03	.26	.34	.27	.37
ROOFERS AND SLATERS	.00	.00	.00	.00	.11	.06	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.04	.06	5.69	8.71	.62	.72	.00	.00	.00	.00
FOREMEN NEC	4.53	4.45	3.65	3.29	4.78	4.44	4.66	4.19	4.67	4.17
METALWKNG CRAFTS EXC MECH	9.62	9.37	12.09	12.89	8.56	9.22	6.79	6.39	6.73	6.25
MACHINISTS AND RELATED OCC	4.99	3.79	7.25	7.63	4.86	5.14	4.87	4.40	4.91	4.41
BLKSMITHS,FURGMN,HAMMERMEN	.06	.04	.12	.13	.33	.27	.01	.01	.01	.01
BOILERMAKERS	.00	.00	1.24	1.33	.08	.06	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.21	.21	.01	.01	.07	.04	.01	.01	.01	.01
MILLWRIGHTS	.16	.18	.03	.03	.49	.54	.12	.12	.13	.13
MOLDERS,METAL,EXC COREMKRS	.06	.04	.22	.25	.36	.35	.02	.00	.02	.00
PATTERNMAKERS,METAL,WOOD	.47	.49	.33	.30	.23	.24	.29	.38	.24	.35
ROLLERS AND ROLL HANDS	.02	.02	.00	.00	.03	.01	.00	.00	.00	.00
SHEET METAL WORKERS	1.83	2.24	2.72	3.06	1.56	2.06	.40	.43	.42	.44
TOOLMAKERS AND DIEMAKERS	1.81	2.38	.16	.16	.57	.50	1.11	1.04	.99	.89
PRINTING TRADES CRAFTSMEN	.12	.14	.05	.04	.00	.00	.26	.21	.20	.23
COMPOSITORS,TYPESETTERS	.04	.06	.03	.02	.00	.00	.14	.09	.15	.10
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.02	.00	.00	.00	.00	.07	.06	.08	.07
PHOTOENGRVRS,LITHOGRAPHERS	.02	.03	.02	.01	.00	.00	.02	.02	.02	.02
PRESSMEN,PLATE PRINTERS	.04	.04	.00	.00	.00	.00	.04	.04	.04	.04
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.06	.06	.07	.06	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.03	.04	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.02	.02	.07	.06	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	6.87	8.05	3.51	3.13	3.88	4.25	3.00	2.69	2.85	2.50
AIRPLANE MECH AND REPAIRMN	4.95	6.30	.04	.05	.17	.21	.06	.07	.06	.07
MOTOR VEHICLE MECHANICS	.09	.05	.11	.11	.14	.20	.00	.00	.00	.00
OFFICE MACHINE MECHANICS	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01
RADIO AND TV MECHANICS	.13	.11	.57	.67	.03	.05	.03	.04	.03	.04
RR AND CAR SHOP MECHANICS	.00	.00	.03	.03	.62	.65	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.70	1.58	2.77	2.26	2.91	3.14	2.90	2.58	2.75	2.38

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OCCUPATION	AIR CRAFT AND ENGINES		SHIP AND BOATBUILDING AND REPAIR		RAILROAD AND OTHER TRANSPORTATION EQUIPMENT		PROFESSIONAL SCIENTIFIC INSTRUMENTS		INSTRUMENTS EXCEPT CLOCKS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.66	.42	3.83	3.07	3.46	3.10	3.07	2.65	3.16	2.72
BAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
CABINETMAKERS	.02	.00	.11	.09	1.80	1.55	.09	.10	.09	.11
CRANE,DERRICK,HOIST MEN	.08	.06	.75	.69	.83	.83	.01	.01	.01	.01
GLAZIERS	.00	.00	.00	.00	.11	.16	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.01	.01	.00	.00	.07	.06	.01	.01
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	1.71	1.50	1.84	1.61
INSPECTORS,LOG AND LUMBER	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.02	.01	.35	.25	.13	.07	.01	.01	.01	.00
UPHOLSTERERS	.13	.12	.05	.05	.01	.01	.02	.02	.02	.02
CRAFTSMEN AND KINDRED NEC	.41	.24	2.53	1.96	.57	.47	1.15	.94	1.17	.96
OPERATIVES AND KINDRED WORKERS	27.03	27.93	23.43	22.46	45.75	42.60	35.53	32.87	34.25	31.46
DRIVERS AND DELIVERYMEN	.41	.45	.55	.48	1.24	1.28	.34	.34	.35	.34
DRIVERS,BUS,TRUCK,TRACTOR	.34	.39	.44	.40	1.16	1.21	.24	.24	.25	.25
DELIVERYMEN AND ROUTEMEN	.06	.06	.12	.08	.08	.07	.11	.10	.10	.09
TRANSP AND PUB UTIL OPERATVS	.00	.00	.10	.13	.14	.14	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.11	.11	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.10	.13	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	12.76	13.68	12.12	11.88	20.41	19.24	13.65	13.76	13.42	13.46
FURNACEMN,SMELTRMN,POURERS	.07	.07	.06	.07	.19	.18	.02	.02	.02	.03
HEATERS,METAL	.02	.02	.01	.01	.13	.13	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.24	1.25	10.43	10.09	10.64	9.25	.53	.44	.53	.44
ASSEMBLERS,MTLWRK,CLASS A	1.96	2.23	.27	.29	1.76	1.94	4.26	4.40	4.14	4.27
ASSEMBLERS,MTLWRK,CLASS B	4.34	4.82	.66	.73	4.23	4.31	4.75	4.80	4.59	4.59
INSPECTORS,MTLWRK,CLASS B	2.26	2.52	.24	.26	.98	.99	2.15	2.16	2.17	2.17
MACHINE TOOL OPER,CLASS B	2.74	2.63	.44	.44	2.34	2.30	1.72	1.72	1.76	1.76
ELECTROPLATERS	.05	.06	.00	.00	.05	.04	.08	.08	.08	.07
ELECTROPLATERS HELPERS	.08	.08	.00	.00	.09	.10	.13	.13	.12	.12
SEMISKILLED TEXTILE OCCUP	.14	.13	.10	.08	.54	.42	.40	.29	.42	.31
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.14	.13	.09	.07	.54	.42	.40	.29	.42	.31
OTHER OPERATIVES AND KINDRED	13.72	13.67	10.56	9.88	23.41	21.52	21.14	18.48	20.06	17.35
ASBESTOS,INSULATION WRKS	.02	.04	.82	.90	.04	.04	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.02	.03	.00	.00	.00	.00	.02	.01	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	13.68	13.60	9.74	8.98	23.37	21.49	21.12	18.46	20.04	17.33
SERVICE WORKERS	1.44	1.19	1.61	1.52	1.91	1.90	1.18	1.11	1.21	1.13
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.70	.55	.92	.87	.84	.81	.43	.44	.44	.44
FIREMEN	.05	.12	.19	.23	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.59	.39	.67	.58	.80	.77	.42	.42	.43	.42
POLICE,OTH LAW ENFORCE OFF	.05	.04	.06	.06	.04	.04	.01	.02	.01	.02
FOOD SERVICE WORKERS	.13	.11	.07	.06	.05	.04	.15	.13	.17	.14
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.02	.03	.03	.03	.03	.02	.02	.02	.02
COUNTER AND FOUNTAIN WKRS	.09	.06	.02	.01	.02	.01	.12	.10	.13	.10
WAITERS AND WAITRESSES	.02	.02	.03	.02	.00	.00	.02	.01	.02	.02
OTHER SERVICE WORKERS	.62	.53	.61	.59	1.01	1.05	.59	.54	.60	.55
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.03	.02	.10	.12	.13	.15	.03	.04	.03	.04
JANITORS AND SEXTONS	.38	.33	.30	.29	.58	.55	.29	.26	.30	.27
NURSES,PRACTICAL	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.21	.18	.13	.11	.30	.35	.27	.24	.27	.24
LABORERS,EXCEPT FARM AND MINE	.73	.37	5.27	4.67	6.11	5.59	1.15	.82	1.18	.83
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	5.76	8.26	3.87	5.10	6.29	8.16	2.68	3.93	1.51	2.20
ENGINEERS,TECHNICAL	2.75	3.88	.73	.75	1.08	1.28	.28	.34	.25	.31
ENGINEERS,AERONAUTICAL	.13	.18	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.01	.01	.37	.39	.02	.02	.01	.01
ENGINEERS,CIVIL	.00	.00	.00	.00	.05	.05	.02	.02	.01	.00
ENGINEERS,ELECTRICAL	.18	.24	.03	.04	.04	.05	.01	.02	.00	.00
ENGINEERS,INDUSTRIAL	1.00	1.31	.14	.15	.19	.26	.07	.10	.11	.14
ENGINEERS,MECHANICAL	.64	.73	.14	.13	.22	.25	.10	.10	.08	.07
ENGINEERS,METALLURG,ETC	.00	.00	.02	.01	.01	.02	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.81	1.43	.39	.40	.18	.25	.06	.09	.05	.08
NATURAL SCIENTISTS	.18	.30	.22	.30	1.07	1.28	.46	.64	.21	.31
CHEMISTS	.11	.19	.17	.22	.75	.90	.25	.34	.09	.13
AGRICULTURAL SCIENTISTS	.00	.00	.01	.01	.04	.06	.09	.14	.09	.14
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.10	.12	.05	.07	.01	.01
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.01	.04	.04	.04	.01	.01	.00	.00
PHYSICISTS	.07	.11	.02	.02	.03	.04	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.01	.01	.10	.12	.05	.07	.02	.03
TECHNICIANS,EXC MEDICAL,DENT	1.44	1.74	.65	.77	.89	1.17	.71	.69	.20	.21
DRAFTSMEN	.82	1.11	.33	.43	.11	.14	.04	.05	.02	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.08	.11	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.53	.52	.32	.34	.77	1.03	.66	.63	.18	.18
MEDICAL,OTHER HEALTH WORKERS	.03	.04	.02	.01	.08	.09	.03	.05	.02	.02
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
NURSES,PROFESSIONAL	.03	.04	.02	.01	.03	.04	.02	.03	.02	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.03	.02	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.08	.08	.02	.02	.02	.03	.00	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.08	.08	.02	.02	.02	.03	.00	.01	.00	.00
SOCIAL SCIENTISTS	.04	.05	.01	.02	.06	.06	.02	.02	.01	.01
ECONOMISTS	.04	.05	.01	.01	.03	.03	.01	.01	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.03	.03	.01	.01	.01	.01
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.23	2.19	2.23	3.22	3.10	4.24	1.18	2.18	.81	1.33
ACCOUNTANTS AND AUDITORS	.20	.26	.28	.37	.48	.73	.48	.86	.38	.60
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.01	.04	.01	.05	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.43	.39	.34	.37	.04	.04	.03	.03
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.21	.21	.73	.92	.23	.29	.01	.01	.01	.02
EDITORS AND REPORTERS	.00	.00	.03	.04	.89	.91	.01	.01	.00	.00
LAWYERS AND JUDGES	.00	.00	.01	.02	.03	.03	.02	.02	.02	.03
LIBRARIANS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.16	.24	.21	.38	.20	.31	.18	.30	.14	.23
PHOTOGRAPHERS	.00	.00	.03	.02	.19	.23	.01	.01	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.66	1.48	.49	1.07	.70	1.31	.42	.88	.23	.43
MANAGERS,OFFICIALS,PROPRIETORS	5.64	4.58	8.76	9.25	6.57	6.93	8.13	8.94	5.94	6.76
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.06	.10	.06	.08	.08	.10	.08	.11	.09	.10
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.67	.65	.30	.29	.33	.29	.50	.50	1.09	.99
MANAGERS,OFFICE,PROP. NEC	4.91	3.84	8.40	8.88	6.17	6.54	7.53	8.32	4.76	5.67

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	13.60	11.77	14.14	16.26	13.27	14.51	12.25	13.96	9.47	10.80
STENOS, TYPISTS, SECRETARIES	3.85	3.56	3.28	3.56	3.33	3.62	2.65	2.97	1.29	1.39
OFFICE MACHINE OPERATORS	.77	1.11	.55	.80	.75	1.05	.99	1.39	1.05	1.30
OTHER CLERICAL, KINDRED WRKRS	8.98	7.11	10.31	11.90	9.19	9.84	8.61	9.60	7.12	8.11
ACCOUNTING CLERKS	.20	.17	.43	.44	.58	.51	.68	.66	.58	.57
BOOKKEEPERS, HAND	.92	.85	1.25	1.33	.72	.73	1.01	1.11	.52	.53
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.09	.11	.01	.01	.09	.08	.25	.25	.09	.07
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.08	.08	1.82	1.81	1.27	1.35	1.16	1.05	1.41	1.18
TELEPHONE OPERATORS	.24	.25	.15	.16	.17	.19	.13	.16	.10	.10
CLERICAL AND KINDRED, NEC	7.44	5.66	6.65	8.14	6.36	6.98	5.39	6.37	4.43	5.66
SALES WORKERS	2.09	2.24	4.35	5.25	3.80	4.40	4.59	5.26	3.17	3.96
CRAFTSMEN, FOREMEN AND KINDRED	19.22	20.14	15.72	16.08	14.60	14.57	14.20	13.89	7.87	7.84
CONSTRUCTION CRAFTSMEN	.43	.49	1.20	1.45	.99	1.15	.75	.87	.65	.75
CARPENTERS	.10	.13	.32	.39	.15	.14	.17	.16	.14	.16
BRICKMASONS AND TILE SETRS	.04	.05	.01	.01	.02	.03	.03	.04	.02	.02
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
ELECTRICIANS	.21	.24	.38	.45	.41	.46	.34	.40	.26	.26
EXCAVATNG, GRADNG MACH OPER	.00	.00	.00	.00	.05	.06	.03	.03	.02	.01
PAINTERS AND PAPERHANGERS	.02	.00	.34	.35	.03	.03	.03	.04	.01	.01
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.04	.12	.19	.30	.40	.14	.21	.21	.29
ROOFERS AND SLATERS	.04	.03	.00	.00	.01	.01	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.02	.05	.00	.01	.00	.00	.00	.00
FOREMEN NEC	4.50	4.47	4.39	4.25	4.37	4.50	4.59	4.54	4.05	3.97
METALWKNG CRAFTS EXC MECH	7.55	8.32	3.82	4.38	.92	1.00	.58	.62	.54	.59
MACHINISTS AND RELATED OCC	4.30	4.29	.33	.34	.43	.47	.34	.41	.34	.39
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.03	.03	.01	.01	.01	.01	.02	.02
BOILERMAKERS	.00	.00	.00	.00	.04	.03	.01	.01	.00	.00
HEAT TREATERS, ANNEALERS	.03	.00	.04	.03	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.07	.06	.26	.27	.16	.13	.16	.15
MOLDERS, METAL, EXC COREMKRS	.00	.00	.08	.09	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.45	.80	1.91	2.37	.02	.03	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.15	.26	.39	.41	.05	.04	.05	.05	.03	.03
TOOLMAKERS AND DIEMAKERS	2.62	2.98	.94	1.04	.11	.14	.00	.01	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.65	.64	3.32	3.14	.06	.06	.03	.03
COMPOSITORS, TYPESETTERS	.00	.00	.24	.23	1.86	1.52	.05	.05	.02	.02
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.06	.04	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.31	.32	.08	.11	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.02	.01	.37	.52	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.07	.08	.95	.96	.01	.01	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.85	5.13	2.51	2.52	2.82	2.97	3.51	3.69	1.96	1.94
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.01	.01	.02	.00	.00
MOTOR VEHICLE MECHANICS	.00	.00	.02	.02	.10	.10	.32	.35	.18	.19
OFFICE MACHINE MECHANICS	.00	.00	.01	.03	.00	.01	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	4.85	5.13	2.48	2.47	2.71	2.86	3.18	3.31	1.77	1.73

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	WATCHES AND CLOCK DEVICES		MISCELLANEOUS MANUFACTURING		TOTAL NONDURABLE GOODS MANUFACTURING		FOOD AND KINDRED PRODUCTS		MEAT PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.89	1.74	3.15	2.83	2.18	1.80	4.72	4.10	.64	.55
BAKERS	.00	.00	.00	.00	.74	.62	3.38	3.12	.08	.07
CABINETMAKERS	.04	.04	.28	.24	.01	.01	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.03	.03	.08	.09	.05	.06	.01	.01
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
JEWELERS AND WATCHMAKERS	.88	.77	1.84	1.79	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.29	.24	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.06	.10	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.01	.01	.01	.02	.00	.01	.00	.00
INSPECTORS,OTHER	.04	.04	.03	.02	.02	.01	.02	.01	.02	.01
UPHOLSTERERS	.00	.00	.17	.07	.02	.02	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.88	.77	.79	.67	1.01	.79	1.25	.90	.52	.44
OPERATIVES AND KINDRED WORKERS	52.15	51.42	49.17	44.51	49.67	47.41	48.08	46.43	61.23	59.47
DRIVERS AND DELIVERYMEN	.28	.30	.86	.91	3.50	3.38	12.40	13.04	5.06	5.53
DRIVERS,BUS,TRUCK,TRACTOR	.10	.14	.56	.54	1.54	1.45	4.34	4.45	3.92	4.01
DELIVERYMEN AND ROUTEMEN	.18	.16	.30	.36	1.96	1.94	8.06	8.59	1.14	1.52
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.03	.05	.08	.02	.02	.02	.03
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.01	.03	.04	.07	.01	.02	.02	.03
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	16.62	17.77	10.62	11.13	.28	.31	.17	.18	.19	.20
FURNACEMN,SMELTRMN,POURERS	.00	.00	.04	.06	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.44	.51	.92	1.04	.27	.31	.17	.18	.19	.20
ASSEMBLERS,MTLWRK,CLASS A	5.82	6.13	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	6.87	7.52	6.51	6.71	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	1.91	2.00	1.80	1.89	.60	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	1.13	1.16	1.06	1.14	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.16	.17	.12	.12	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.28	.29	.16	.17	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.12	.10	2.54	2.45	11.09	11.67	.06	.01	.04	.01
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.57	.51	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.60	.46	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.01	.01	.71	.55	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.12	.10	2.53	2.44	9.20	10.15	.06	.01	.04	.01
OTHER OPERATIVES AND KINDRED	35.14	33.25	35.14	29.99	34.76	31.97	35.43	33.18	55.92	53.70
ASBESTOS,INSULATION WRKS	.00	.00	.02	.02	.03	.03	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.02	.01	.02	.02	.06	.07
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.01	.01	.03	.03	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	35.14	33.25	35.12	29.97	34.68	31.91	35.37	33.11	55.86	53.63
SERVICE WORKERS	.80	.83	1.31	1.19	1.55	1.33	2.17	1.75	1.89	1.84
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.33	.35	.34	.30	.39	.29	.42	.30	.46	.41
FIREMEN	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.33	.35	.34	.30	.36	.26	.40	.28	.38	.32
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.01	.02	.02	.02	.06	.08
FOOD SERVICE WORKERS	.00	.00	.06	.06	.14	.13	.35	.31	.21	.20
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.03	.03	.05	.05	.15	.14	.13	.13
COUNTER AND FOUNTAIN WKRS	.00	.00	.02	.02	.05	.04	.08	.06	.06	.06
WAITERS AND WAITRESSES	.00	.00	.01	.01	.05	.05	.12	.11	.02	.02
OTHER SERVICE WORKERS	.46	.49	.91	.83	1.02	.92	1.40	1.14	1.21	1.23
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
CHARWOMEN AND CLEANERS	.05	.06	.10	.10	.14	.12	.14	.14	.15	.16
JANITORS AND SEXTONS	.10	.10	.44	.39	.46	.42	.56	.51	.55	.52
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
SERVICE WORKERS,NEC	.31	.33	.37	.34	.42	.37	.68	.46	.51	.54
LABORERS,EXCEPT FARM AND MINE	.74	.77	2.68	2.36	4.24	2.68	7.90	5.83	8.93	7.12
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.32	4.71	3.16	5.09	5.35	7.09	.60	.76	3.03	4.73
ENGINEERS,TECHNICAL	.30	.39	.29	.42	.43	.63	.12	.10	.23	.23
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.06	.07	.00	.01	.02	.02
ENGINEERS,CIVIL	.01	.03	.04	.06	.03	.04	.01	.00	.01	.01
ENGINEERS,ELECTRICAL	.01	.02	.02	.05	.01	.00	.01	.00	.02	.03
ENGINEERS,INDUSTRIAL	.05	.09	.05	.08	.15	.23	.01	.01	.04	.06
ENGINEERS,MECHANICAL	.15	.15	.13	.15	.12	.13	.03	.03	.10	.08
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.07	.10	.06	.08	.06	.15	.06	.05	.03	.04
NATURAL SCIENTISTS	.31	.47	.44	.63	1.33	1.78	.02	.02	.52	.72
CHEMISTS	.10	.17	.17	.27	.79	1.05	.02	.02	.42	.57
AGRICULTURAL SCIENTISTS	.07	.13	.14	.20	.12	.19	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.10	.13	.04	.05	.14	.18	.00	.00	.07	.10
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.14	.17	.00	.00	.00	.00
PHYSICISTS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.04	.04	.09	.11	.12	.17	.00	.00	.04	.05
TECHNICIANS,EXC MEDICAL,DENT	1.71	2.02	.74	.72	1.29	.80	.09	.09	.41	.34
DRAFTSMEN	.03	.04	.03	.03	.12	.16	.02	.02	.05	.07
SURVEYORS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
TECHNICIANS,OTHER	1.68	1.98	.71	.67	1.16	.63	.07	.08	.35	.25
MEDICAL,OTHER HEALTH WORKERS	.01	.02	.05	.08	.09	.15	.01	.02	.03	.05
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.01	.02	.06	.11	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.04	.06	.02	.02	.01	.01	.03	.05
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01
VETERINARIANS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.04	.01	.02	.00	.00	.00	.00	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.04	.01	.02	.00	.00	.00	.00	.00	.00
SOCIAL SCIENTISTS	.01	.02	.02	.02	.08	.07	.00	.00	.05	.04
ECONOMISTS	.00	.00	.01	.01	.04	.05	.00	.00	.02	.02
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.04	.02	.00	.00	.03	.02
OTHER SOCIAL SCIENTISTS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.97	1.75	1.60	3.21	2.14	3.66	.36	.52	1.79	3.36
ACCOUNTANTS AND AUDITORS	.55	1.02	.65	1.29	.66	1.06	.20	.32	.54	.88
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.01	.04	.09	.31
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.04	.04	.05	.05	.01	.01	.10	.11
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.02	.01	.01	.02	.00	.00	.00	.00	.01	.01
EDITORS AND REPORTERS	.01	.01	.01	.01	.01	.01	.01	.02	.00	.00
LAWYERS AND JUDGES	.01	.01	.03	.04	.03	.03	.01	.01	.04	.04
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.13	.21	.31	.56	.35	.53	.06	.08	.20	.34
PHOTOGRAPHERS	.00	.00	.00	.00	.02	.03	.01	.01	.03	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
PROF,TECH,KINDRED,NEC	.24	.48	.54	1.25	1.02	1.96	.03	.01	.75	1.64
MANAGERS,OFFICIALS,PROPRIETORS	10.35	12.19	6.76	7.50	10.46	10.58	6.07	6.02	11.40	13.00
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.16	.30	.03	.04	.21	.30	.03	.06	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.05	.05	.00	.00	.00	.00	.02	.01
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.32	.41	.58	.60	.62	.55	.14	.14	.17	.15
MANAGERS,OFFICE,PROP. NEC	9.87	11.49	6.10	6.81	9.64	9.73	5.90	5.83	11.21	12.83

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	14.93	19.84	14.33	15.39	12.17	11.94	9.36	9.79	12.68	13.99
STENOS, TYPISTS,SECRETARIES	1.70	2.22	6.09	6.22	3.25	3.43	.82	.81	3.03	3.06
OFFICE MACHINE OPERATORS	1.60	2.64	.49	1.03	.78	.83	.86	.93	.99	1.32
OTHER CLERICAL,KINDRED WRKRS	11.64	14.98	7.75	8.13	8.14	7.68	7.67	8.05	8.66	9.60
ACCOUNTING CLERKS	.90	1.10	.41	.43	1.00	.73	.61	.49	.82	.83
BOOKKEEPERS,HAND	2.26	2.88	1.02	1.13	1.25	1.08	.24	.22	1.30	1.39
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.35	.40	.03	.03	.09	.03	.62	.69	.23	.18
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.80	.79	.81	.64	.67	.62	1.76	1.84	.66	.33
TELEPHONE OPERATORS	.16	.25	.11	.13	.14	.14	.06	.08	.15	.21
CLERICAL AND KINDRED,NEC	7.16	9.55	5.37	5.77	4.99	5.07	4.38	4.73	5.50	6.66
SALES WORKERS	5.17	5.59	2.03	2.82	4.47	5.11	6.70	7.65	6.96	7.52
CRAFTSMEN,FOREMEN AND KINDRED	8.80	7.69	11.60	11.27	17.16	16.24	28.78	28.72	13.72	13.60
CONSTRUCTION CRAFTSMEN	.24	.18	.92	1.05	1.16	1.55	.24	.35	.92	.99
CARPENTERS	.07	.04	.21	.22	.15	.13	.05	.05	.23	.22
BRICKMASONS AND TILE SETRS	.02	.02	.03	.03	.04	.04	.03	.05	.02	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.08	.06	.50	.57	.64	.83	.13	.21	.43	.49
EXCAVATNG,GRADNG MACH OPER	.01	.02	.04	.05	.02	.02	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.06	.04	.03	.03	.00	.00	.02	.02	.11	.13
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.11	.15	.31	.52	.02	.03	.12	.14
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	4.16	3.64	5.15	4.91	5.26	5.20	3.77	3.78	4.83	4.93
METALWKNG CRAFTS EXC MECH	.07	.06	.40	.34	1.57	1.44	.34	.38	.92	1.02
MACHINISTS AND RELATED OCC	.03	.04	.27	.24	.46	.53	.31	.37	.75	.87
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.01	.01	.02	.02	.00	.00	.01	.01
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.06	.03	.85	.66	.03	.01	.07	.04
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.02	.01	.03	.01	.24	.23	.00	.00	.08	.10
TOOLMAKERS AND DIEMAKERS	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.04	.05	.13	.16	.09	.07	.04	.04	.02	.03
COMPOSITORS,TYPESETTERS	.04	.05	.10	.13	.06	.05	.03	.03	.02	.03
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.03	.03	.01	.01	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.48	3.05	4.36	4.31	3.98	4.66	2.80	2.90	4.29	4.68
AIRPLANE MECH AND REPAIRMN	.01	.02	.00	.00	.00	.00	.00	.00	.06	.09
MOTOR VEHICLE MECHANICS	.66	.66	.06	.06	.11	.13	.50	.53	.30	.31
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.81	2.38	4.30	4.25	3.87	4.54	2.30	2.36	3.94	4.27

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DAIRY PRODUCTS		CANNING, PRESERVING AND FREEZING		GRAIN MILL PRODUCTS		BAKERY PRODUCTS		BEVERAGE INDUSTRIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.82	.71	.64	.48	5.11	3.32	21.58	21.27	2.74	1.95
BAKERS	.00	.00	.03	.01	.05	.03	21.18	20.96	.02	.01
CABINETMAKERS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
CRANE,DERRICK,HOIST MEN	.01	.01	.11	.15	.01	.01	.01	.01	.03	.05
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04
INSPECTORS,OTHER	.01	.00	.00	.00	.03	.01	.02	.01	.02	.01
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.03	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.80	.69	.50	.31	5.00	3.26	.36	.27	2.66	1.84
OPERATIVES AND KINDRED WORKERS	50.60	45.17	50.44	48.01	36.48	39.29	42.40	42.06	41.02	40.24
DRIVERS AND DELIVERYMEN	30.88	32.72	2.96	3.17	6.91	7.82	20.98	22.33	15.69	16.57
DRIVERS,BUS,TRUCK,TRACTOR	6.32	6.43	2.32	2.43	6.24	6.84	3.15	4.02	6.12	4.85
DELIVERYMEN AND ROUTEMEN	24.56	26.29	.64	.74	.67	.98	17.83	18.31	9.56	11.72
TRANSP AND PUB UTIL OPERATVS	.00	.00	.02	.03	.00	.00	.01	.02	.02	.03
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.02	.03	.00	.00	.01	.02	.02	.03
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.03	.02	.15	.15	.18	.20	.01	.02	.12	.13
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.03	.02	.15	.15	.18	.20	.01	.02	.12	.13
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.04	.01	.34	.05	.00	.00	.01	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.04	.01	.34	.05	.00	.00	.01	.00
OTHER OPERATIVES AND KINDRED	19.69	12.42	47.27	44.65	29.05	31.21	21.39	19.69	25.18	23.51
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.00	.00	.00	.00	.02	.02	.01	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.02	.01	.01	.01	.00	.00	.01	.01	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.11	.10	.04	.03	.02	.02	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	19.64	12.38	47.15	44.54	29.01	31.18	21.33	19.63	25.15	23.49
SERVICE WORKERS	1.38	.88	2.33	2.08	1.68	1.07	2.93	2.62	1.65	1.17
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.11	.01	.61	.46	.38	.18	.10	.10	.51	.25
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.11	.01	.60	.44	.38	.18	.10	.10	.49	.23
POLICE,OTH LAW ENFORCE OFF	.00	.00	.02	.02	.00	.00	.00	.00	.01	.01
FOOD SERVICE WORKERS	.58	.35	.42	.47	.10	.15	.46	.39	.12	.14
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
COOKS,EXC PRIV HOUSEHOLDS	.07	.06	.25	.25	.06	.06	.13	.11	.05	.08
COUNTER AND FOUNTAIN WKRS	.18	.06	.06	.07	.03	.05	.06	.03	.04	.04
WAITERS AND WAITRESSES	.33	.23	.10	.15	.02	.04	.27	.25	.01	.01
OTHER SERVICE WORKERS	.69	.52	1.30	1.15	1.19	.74	2.36	2.13	1.02	.78
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.01	.01	.04	.09	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.05	.02	.08	.07	.39	.32	.18	.18	.14	.20
JANITORS AND SEXTONS	.41	.38	.68	.66	.41	.30	.83	.74	.42	.32
NURSES,PRACTICAL	.00	.00	.03	.02	.02	.02	.00	.00	.00	.00
SERVICE WORKERS,NEC	.23	.11	.48	.31	.36	.11	1.36	1.21	.46	.27
LABORERS,EXCEPT FARM AND MINE	5.45	3.93	9.36	7.85	12.23	8.68	3.18	2.39	9.54	5.75
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.63	5.01	3.28	5.04	1.97	3.62	1.27	1.94	5.63	9.09
ENGINEERS,TECHNICAL	.41	.46	.51	.60	.41	.46	.04	.07	1.45	1.96
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.04	.04	.19	.22	.04	.04	.00	.00	.16	.12
ENGINEERS,CIVIL	.01	.01	.06	.07	.00	.00	.00	.00	.05	.04
ENGINEERS,ELECTRICAL	.02	.02	.00	.00	.01	.01	.00	.00	.07	.08
ENGINEERS,INDUSTRIAL	.09	.13	.13	.18	.21	.24	.02	.04	.36	.58
ENGINEERS,MECHANICAL	.13	.12	.13	.14	.08	.04	.01	.01	.40	.47
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.12	.15	.00	.00	.07	.14	.01	.03	.41	.67
NATURAL SCIENTISTS	.87	1.23	.88	1.20	.22	.32	.03	.03	.69	.94
CHEMISTS	.48	.61	.82	1.09	.20	.27	.03	.03	.43	.55
AGRICULTURAL SCIENTISTS	.22	.36	.01	.02	.00	.00	.00	.00	.10	.14
BIOLOGICAL SCIENTISTS	.06	.11	.02	.02	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.01	.02	.01	.03	.01	.00	.07	.08
PHYSICISTS	.00	.00	.01	.01	.00	.00	.00	.00	.01	.03
OTHER NATURAL SCIENTISTS	.11	.15	.01	.03	.00	.01	.00	.00	.07	.14
TECHNICIANS,EXC MEDICAL,DENT	1.01	.98	.64	.84	.16	.53	.02	.04	.89	1.95
DRAFTSMEN	.05	.05	.11	.14	.05	.05	.00	.01	.18	.24
SURVEYORS	.00	.01	.00	.00	.00	.00	.00	.00	.01	.02
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TECHNICIANS,OTHER	.95	.92	.52	.70	.11	.48	.02	.03	.68	1.69
MEDICAL,OTHER HEALTH WORKERS	.05	.09	.06	.11	.02	.03	.01	.02	.07	.08
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.02	.03	.05	.11	.02	.03	.01	.02	.05	.07
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01
PSYCHOLOGISTS	.02	.06	.00	.00	.00	.00	.00	.00	.01	.01
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.01	.05	.12	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.01	.05	.12	.00	.00
SOCIAL SCIENTISTS	.03	.02	.01	.01	.01	.02	.01	.01	.09	.11
ECONOMISTS	.01	.01	.01	.01	.00	.00	.00	.00	.04	.05
STATISTICIANS + ACTUARIES	.02	.01	.00	.00	.01	.01	.01	.01	.05	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER PROF,TECH AND KINDRED	1.25	2.22	1.18	2.29	1.13	2.25	1.10	1.85	2.45	4.05
ACCOUNTANTS AND AUDITORS	.52	.96	.44	.86	.23	.40	.08	.13	.66	1.14
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.08
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
WRKRS IN ARTS,ENTERTAINMNT	.03	.03	.04	.05	.03	.05	.03	.03	.27	.36
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.03	.05	.29	.54	.70	.74	.28	.37
EDITORS AND REPORTERS	.01	.01	.02	.02	.01	.01	.01	.01	.01	.02
LAWYERS AND JUDGES	.01	.01	.00	.00	.01	.01	.02	.02	.01	.02
LIBRARIANS	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.18	.27	.15	.28	.16	.26	.09	.23	.33	.50
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.49	.94	.48	1.00	.40	.98	.17	.47	.83	1.50
MANAGERS,OFFICIALS,PROPRIETORS	8.35	8.65	5.57	5.89	3.39	4.39	4.38	4.72	5.36	5.42
CONDUCTORS,RAILROAD	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.11	.13	.11	.17	.03	.04	.06	.11	.04	.05
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.47	.53	1.18	1.34	.13	.13	.18	.12	.31	.24
MANAGERS,OFFICE,PROP. NEC	7.75	7.96	4.27	4.38	3.23	4.22	4.14	4.48	5.01	5.13

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	13.93	16.38	9.82	12.01	8.61	11.20	7.87	9.12	12.91	13.91
STENOS, TYPISTS,SECRETARIES	2.93	3.72	2.31	2.88	1.88	2.50	1.28	1.52	3.26	3.55
OFFICE MACHINE OPERATORS	1.15	1.66	.59	.92	.47	.69	.48	.80	.62	.92
OTHER CLERICAL,KINDRED WRKRS	9.84	10.99	6.92	8.20	6.26	8.01	6.12	6.79	9.03	9.45
ACCOUNTING CLERKS	.68	.63	.61	.57	.26	.35	.29	.25	.48	.30
BOOKKEEPERS,HAND	.92	.94	.10	.09	.52	.70	.81	.81	.26	.19
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.30	.32	.00	.00	.01	.01	.03	.02	.03	.02
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	1.57	1.71	.68	.55	1.11	1.17	1.30	1.28	1.57	1.43
TELEPHONE OPERATORS	.19	.22	.04	.04	.10	.13	.09	.14	.24	.29
CLERICAL AND KINDRED,NEC	6.18	7.18	5.49	6.96	4.26	5.65	3.61	4.30	6.46	7.23
SALES WORKERS	4.23	4.85	3.94	6.07	.94	1.50	1.88	2.40	2.52	3.64
CRAFTSMEN,FOREMEN AND KINDRED	13.45	14.30	12.55	16.69	11.50	11.42	4.59	5.14	17.12	19.46
CONSTRUCTION CRAFTSMEN	1.33	1.50	.97	1.34	.59	.62	.07	.13	2.02	2.41
CARPENTERS	.31	.30	.27	.26	.15	.13	.02	.03	.25	.28
BRICKMASONS AND TILE SETRS	.06	.06	.00	.00	.02	.02	.00	.01	.04	.03
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.07
ELECTRICIANS	.52	.54	.37	.48	.31	.35	.02	.04	.96	1.02
EXCAVATNG,GRADNG MACH OPER	.14	.13	.00	.00	.01	.01	.01	.02	.10	.13
PAINTERS AND PAPERHANGERS	.02	.01	.02	.01	.01	.02	.01	.00	.04	.04
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.30	.45	.29	.58	.08	.07	.01	.02	.59	.81
ROOFERS AND SLATERS	.00	.00	.03	.01	.01	.01	.00	.00	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
FOREMEN NEC	5.40	5.69	5.12	6.53	4.40	4.46	2.83	2.92	5.35	5.98
METALWKNG CRAFTS EXC MECH	.71	.88	1.54	2.49	.51	.39	.10	.19	2.71	2.91
MACHINISTS AND RELATED OCC	.32	.46	1.21	2.04	.37	.29	.03	.07	.87	.90
BLKSMITHS,FORGMN,HAMMERMEN	.03	.04	.00	.00	.01	.00	.00	.00	.02	.02
BOILERMAKERS	.03	.03	.00	.00	.01	.01	.00	.00	.02	.02
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.23	.25	.14	.20	.08	.05	.01	.02	1.44	1.58
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.01	.01	.02	.05	.02	.02	.04	.06	.03	.03
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.08	.07	.12	.14	.02	.01	.00	.00	.06	.08
TOOLMAKERS AND DIEMAKERS	.01	.01	.04	.06	.01	.01	.02	.04	.26	.28
PRINTING TRADES CRAFTSMEN	.08	.06	.06	.21	.09	.09	.06	.09	1.71	1.87
COMPOSITORS,TYPESETTERS	.06	.04	.03	.03	.04	.04	.05	.06	1.09	1.22
ELECTROTYPERS,STEREOTYPERS	.00	.00	.02	.14	.00	.00	.00	.00	.01	.02
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.04	.04	.01	.01	.06	.06
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04
PRESSMEN,PLATE PRINTERS	.02	.02	.02	.04	.01	.01	.01	.01	.51	.54
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.00	.00	.02	.05	.00	.00	.02	.03
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.02	.04	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.00	.00	.00	.00	.02	.03
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.43	5.07	3.85	4.76	3.18	3.33	.78	1.01	4.08	5.04
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
MOTOR VEHICLE MECHANICS	.37	.61	.00	.00	.02	.02	.00	.00	.06	.05
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00
OTHER MECHANICS AND REPAIR	4.04	4.44	3.85	4.76	3.16	3.30	.78	1.00	4.00	4.96

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER FOOD PRODUCTS		TOBACCO MANUFACTURES		TEXTILE MILL PRODUCTS		APPAREL AND ACCESSORIES AND MISC.		PAPER AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.49	1.09	1.00	1.35	2.71	2.50	.75	.81	1.22	1.22
BAKERS	.14	.03	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.02	.02	.00	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.19	.15	.00	.00	.02	.02	.00	.00	.35	.43
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	2.41	2.24	.03	.03	.01	.01
OPTICIANS,LENS GRINDERS	.00	.00	.02	.05	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.01	.01	.00	.00	.00	.00	.00	.00	.14	.17
INSPECTORS,OTHER	.03	.03	.66	.79	.01	.00	.00	.00	.01	.01
UPHOLSTERERS	.00	.00	.02	.01	.05	.04	.06	.08	.01	.03
CRAFTSMEN AND KINDRED NEC	1.12	.87	.30	.50	.21	.16	.67	.69	.70	.57
OPERATIVES AND KINDRED WORKERS	44.85	43.15	54.71	45.21	68.23	63.73	78.41	75.24	49.07	43.92
DRIVERS AND DELIVERYMEN	5.63	6.60	.74	.80	.48	.43	.32	.50	1.63	1.54
DRIVERS,BUS,TRUCK,TRACTOR	3.86	4.47	.48	.43	.44	.40	.14	.21	1.52	1.42
DELIVERYMEN AND ROUTEMEN	1.77	2.12	.26	.37	.03	.04	.18	.30	.11	.13
TRANSP AND PUB UTIL OPERATVS	.03	.04	.00	.00	.01	.01	.09	.22	.08	.09
BRAKEMEN AND SWITCHMEN RR	.02	.02	.00	.00	.00	.00	.00	.00	.02	.02
POWER STATION OPERATORS	.01	.01	.00	.00	.01	.01	.09	.21	.06	.06
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
SEMISKILLED METALWORKING OCC	.48	.53	.16	.29	.13	.16	.04	.08	.54	.62
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.48	.53	.16	.29	.13	.15	.04	.08	.54	.62
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.14	.03	.06	.02	24.08	21.70	44.93	47.25	.45	.34
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	4.96	5.08	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	4.94	4.24	.01	.01	.01	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	6.06	5.27	.04	.04	.00	.00
SEWERS AND STITCHERS,MFG	.14	.03	.06	.02	8.13	7.11	44.88	47.20	.45	.33
OTHER OPERATIVES AND KINDRED	38.56	35.95	53.75	44.10	43.53	41.43	33.02	27.20	46.37	41.34
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
ATTEND,AUTO SERVICE,PARKNG	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.02	.01	.00	.00	.03	.01	.08	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.06	.07	.00	.00	.02	.02	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	38.47	35.86	53.75	44.10	43.49	41.40	32.94	27.18	46.35	41.32
SERVICE WORKERS	2.99	2.03	3.16	3.47	1.47	1.18	.80	.88	1.60	1.44
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.72	.54	.52	.49	.42	.30	.13	.11	.51	.41
FIREMEN	.01	.01	.00	.00	.00	.00	.00	.00	.01	.02
GUARDS,WATCHMEN,DOORKEEPRS	.70	.53	.52	.49	.38	.25	.13	.11	.50	.39
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.04	.06	.00	.00	.00	.00
FOOD SERVICE WORKERS	.47	.39	.16	.29	.05	.07	.06	.06	.11	.10
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.27	.22	.10	.17	.01	.02	.01	.01	.05	.05
COUNTER AND FOUNTAIN WKRS	.14	.13	.04	.05	.01	.01	.02	.02	.03	.02
WAITERS AND WAITRESSES	.06	.04	.03	.07	.02	.04	.03	.03	.03	.03
OTHER SERVICE WORKERS	1.81	1.10	2.48	2.70	.99	.81	.60	.71	.98	.93
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.12	.11	.87	1.16	.38	.22	.08	.11	.10	.10
JANITORS AND SEXTONS	.53	.49	.71	.75	.36	.34	.25	.32	.61	.61
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	1.14	.47	.90	.78	.26	.24	.28	.28	.27	.22
LABORERS,EXCEPT FARM AND MINE	8.57	5.84	6.97	5.62	3.88	2.96	.80	.56	5.79	3.11
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	7.28	11.30	4.18	7.05	4.78	8.33	11.12	12.14	18.69	23.11
ENGINEERS,TECHNICAL	1.74	2.01	1.25	1.84	1.23	2.02	.14	.15	4.38	5.13
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,CHEMICAL	.33	.30	.02	.01	.06	.02	.00	.00	2.19	2.28
ENGINEERS,CIVIL	.07	.04	.04	.07	.02	.01	.00	.00	.18	.19
ENGINEERS,ELECTRICAL	.11	.10	.01	.02	.08	.12	.02	.02	.18	.20
ENGINEERS,INDUSTRIAL	.32	.42	.32	.48	.47	.87	.07	.08	.44	.62
ENGINEERS,MECHANICAL	.43	.48	.47	.63	.27	.28	.03	.03	.84	1.07
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.10	.14
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
OTHER ENGINEERS,TECHNICAL	.49	.66	.38	.63	.34	.71	.02	.03	.41	.61
NATURAL SCIENTISTS	1.15	1.59	.14	.17	.62	.88	.02	.02	5.96	6.91
CHEMISTS	.73	.87	.13	.17	.36	.53	.02	.01	4.17	4.90
AGRICULTURAL SCIENTISTS	.24	.35	.00	.00	.00	.00	.00	.00	.10	.12
BIOLOGICAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.69	.83
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
MATHEMATICIANS	.00	.00	.00	.00	.27	.26	.01	.01	.20	.19
PHYSICISTS	.00	.00	.00	.00	.05	.09	.00	.00	.22	.22
OTHER NATURAL SCIENTISTS	.17	.36	.00	.00	.00	.00	.00	.00	.56	.61
TECHNICIANS,EXC MEDICAL,DENT	1.58	3.32	.40	.98	.41	1.20	.08	.06	3.93	4.80
DRAFTSMEN	.18	.21	.20	.30	.16	.22	.02	.02	.39	.46
SURVEYORS	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.02	.00	.00	.01	.01	.00	.00	.00	.00
TECHNICIANS,OTHER	1.35	3.04	.20	.69	.23	.98	.06	.04	3.53	4.33
MEDICAL,OTHER HEALTH WORKERS	.13	.15	.03	.03	.02	.04	.02	.03	.41	.44
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
NURSES,PROFESSIONAL	.10	.12	.02	.03	.02	.03	.02	.02	.06	.09
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.24	.19
PHYSICIANS AND SURGEONS	.01	.01	.00	.00	.00	.00	.00	.00	.03	.04
PSYCHOLOGISTS	.02	.02	.00	.00	.00	.00	.00	.00	.01	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.01	.04	.06
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TEACHERS	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
SOCIAL SCIENTISTS	.10	.11	.09	.10	.09	.13	.10	.10	.15	.16
ECONOMISTS	.05	.05	.02	.02	.04	.06	.02	.02	.09	.08
STATISTICIANS + ACTUARIES	.05	.05	.05	.05	.04	.06	.06	.06	.05	.07
OTHER SOCIAL SCIENTISTS	.00	.00	.03	.03	.00	.00	.02	.02	.01	.01
OTHER PROF,TECH AND KINDRED	2.59	4.12	2.29	3.93	2.41	4.06	10.74	11.77	3.85	5.66
ACCOUNTANTS AND AUDITORS	.70	1.09	.62	1.19	.66	1.17	.41	.62	.93	1.33
AIRPLANE PILOTS,NAVIGATORS	.02	.04	.04	.12	.03	.10	.00	.00	.03	.07
ARCHITECTS	.00	.00	.01	.01	.03	.06	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.07	.07	.18	.16	.68	.92	1.95	2.01	.14	.17
CLERGYMEN	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.07	.07	.44	.94	.15	.19	.12	.17	.07	.07
EDITORS AND REPORTERS	.02	.03	.00	.00	.02	.03	6.16	6.04	.07	.09
LAWYERS AND JUDGES	.00	.00	.01	.02	.02	.04	.03	.04	.07	.06
LIBRARIANS	.00	.00	.00	.00	.00	.00	.02	.02	.04	.04
PERSONNEL AND LAB REL WRKS	.33	.43	.34	.53	.31	.55	.11	.15	.40	.51
PHOTOGRAPHERS	.02	.02	.02	.02	.02	.02	1.22	1.48	.07	.07
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	1.35	2.37	.43	.94	.49	.98	.70	1.24	2.01	3.25
MANAGERS,OFFICIALS,PROPRIETORS	4.83	5.64	5.00	4.26	6.60	6.29	10.01	10.41	7.44	7.23
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.09	.10	.03	.04	.08	.09	.11	.11
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.42	.39	.21	.11	.24	.17	.11	.10	.57	.48
MANAGERS,OFFICE,PROP. NEC	4.40	5.23	4.71	4.05	6.31	6.08	9.81	10.23	6.76	6.64

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
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OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	11.09	11.03	12.44	13.34	16.31	18.07	22.56	24.43	16.17	15.00
STENOS, TYPISTS, SECRETARIES	3.27	3.32	2.88	3.18	3.71	4.19	5.87	6.53	5.68	5.49
OFFICE MACHINE OPERATORS	.48	.65	.53	.76	.94	1.42	.77	.99	.96	1.33
OTHER CLERICAL, KINDRED WRKRS	7.34	7.06	9.02	9.40	11.66	12.46	15.92	16.92	9.52	8.18
ACCOUNTING CLERKS	.50	.27	.44	.34	.48	.28	.83	.61	.92	.82
BOOKKEEPERS, HAND	.00	.00	.43	.28	.45	.32	1.07	1.02	.28	.25
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.02	.01	.03	.02	.04	.04	.10	.07	.06	.05
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	1.07	.87	1.92	1.88	1.92	1.67	.95	1.29	1.39	1.33
TELEPHONE OPERATORS	.20	.24	.26	.30	.28	.35	.34	.35	.24	.18
CLERICAL AND KINDRED, NEC	5.56	5.67	5.94	6.58	8.49	9.80	12.64	13.58	6.63	5.56
SALES WORKERS	1.56	2.17	2.90	3.43	3.55	5.67	10.72	11.63	2.88	3.29
CRAFTSMEN, FOREMEN AND KINDRED	19.84	23.50	14.95	16.75	15.46	17.09	28.14	25.65	16.26	16.77
CONSTRUCTION CRAFTSMEN	3.60	4.48	.69	.78	1.15	1.42	.26	.27	2.68	3.21
CARPENTERS	.40	.49	.09	.05	.19	.23	.04	.02	.30	.26
BRICKMASONS AND TILE SETRS	.07	.06	.00	.00	.02	.03	.01	.01	.06	.07
CEMENT, CONCRETE FINISHERS	.00	.00	.06	.07	.09	.17	.00	.00	.05	.03
ELECTRICIANS	1.62	1.76	.43	.50	.56	.62	.12	.12	1.01	1.17
EXCAVATNG, GRADNG MACH OPER	.20	.28	.02	.06	.02	.02	.01	.01	.18	.23
PAINTERS AND PAPERHANGERS	.05	.05	.02	.02	.04	.03	.03	.03	.07	.06
PLASTERERS	.01	.01	.00	.00	.00	.00	.02	.01	.00	.00
PLUMBERS AND PIPEFITTERS	1.24	1.81	.05	.07	.21	.28	.04	.05	.99	1.38
ROOFERS AND SLATERS	.00	.00	.01	.01	.02	.03	.00	.00	.01	.01
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
FOREMEN NEC	5.30	6.01	5.63	6.57	5.07	5.38	2.60	2.48	5.87	6.04
METALWKNG CRAFTS EXC MECH	4.43	5.14	1.45	1.59	1.52	1.44	.42	.48	1.52	1.42
MACHINISTS AND RELATED OCC	1.08	1.19	.62	.68	.85	.74	.35	.39	.64	.61
BLKSMITHS, FORGMN, HAMMERMEN	.04	.04	.00	.00	.01	.02	.00	.00	.03	.04
BOILERMAKERS	.04	.04	.00	.00	.03	.03	.00	.00	.10	.10
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	3.05	3.59	.15	.16	.47	.46	.01	.01	.54	.49
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.03	.03	.02	.02	.03	.04	.00	.00	.02	.02
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.13	.18	.01	.01	.02	.02	.01	.01	.14	.13
TOOLMAKERS AND DIEMAKERS	.06	.07	.65	.71	.11	.12	.04	.06	.05	.04
PRINTING TRADES CRAFTSMEN	.32	.24	2.63	2.86	2.78	2.95	21.70	19.66	.12	.12
COMPOSITORS, TYPESETTERS	.21	.13	1.61	1.83	1.84	1.97	12.00	9.22	.10	.09
ELECTROTYPERS, STEREOTYPERS	.00	.00	.01	.03	.01	.03	.40	.22	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.01	.01	.02	.02	.17	.15	.49	.62	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.02	.02	.07	.04	.05	.07	2.57	3.50	.00	.00
PRESSMEN, PLATE PRINTERS	.08	.09	.91	.94	.71	.73	6.25	6.10	.02	.03
TRANSPORT AND PUB UTIL CRAFT	.03	.04	.01	.01	.03	.03	.01	.01	.03	.03
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
LOCOMOTIVE ENGINEERS	.03	.04	.01	.01	.03	.03	.00	.00	.02	.02
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.98	5.26	3.96	4.37	4.38	5.43	1.10	1.09	4.72	4.96
AIRPLANE MECH AND REPAIRMN	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.07	.06	.06	.06	.05	.05	.02	.01	.08	.07
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.02	.05	.02	.02	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	3.88	5.18	3.89	4.32	4.31	5.33	1.06	1.06	4.63	4.88

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PULP, PAPER AND BOARD MILLS		PAPERBOARD CONTAINERS AND BOXES		ALL OTHER PAPER PRODUCTS		PRINTING AND PUBLISHING		CHEMICALS AND ALLIED PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	2.16	2.33	.58	.58	.54	.45	2.04	1.66	1.32	.99
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.02	.01	.00	.00	.03	.03	.01	.00
CRANE,DERRICK,HOIST MEN	.71	.92	.15	.22	.03	.03	.02	.01	.18	.18
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.02	.02	.00	.00	.00	.00	.00	.00	.01	.01
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.34	.43	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.02	.01	.00	.00	.01	.01	.00	.00	.05	.03
UPHOLSTERERS	.00	.00	.00	.00	.03	.08	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	1.08	.94	.42	.35	.46	.33	1.99	1.62	1.05	.74
OPERATIVES AND KINDRED WORKERS	45.82	40.21	53.79	50.69	48.51	41.91	14.90	13.65	31.70	31.03
DRIVERS AND DELIVERYMEN	1.68	1.70	2.20	2.23	.88	.68	1.42	1.39	1.51	1.50
DRIVERS,BUS,TRUCK,TRACTOR	1.65	1.69	1.94	1.89	.81	.61	.64	.60	1.31	1.27
DELIVERYMEN AND ROUTEMEN	.04	.01	.26	.34	.06	.06	.78	.80	.20	.23
TRANSP AND PUB UTIL OPERATVS	.15	.17	.01	.01	.06	.06	.00	.00	.12	.12
BRAKEMEN AND SWITCHMEN RR	.05	.06	.00	.00	.00	.00	.00	.00	.01	.01
POWER STATION OPERATORS	.11	.11	.01	.01	.06	.06	.00	.00	.10	.10
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
SEMISKILLED METALWORKING OCC	1.00	1.25	.13	.14	.29	.30	.01	.01	.84	.94
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.00	1.25	.13	.14	.29	.30	.01	.01	.83	.92
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.10	.04	.28	.07	1.20	.97	.18	.14	.28	.22
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.01	.01	.00	.00	.00	.00	.00	.00	.20	.17
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
SEWERS AND STITCHERS,MFG	.09	.02	.28	.07	1.20	.97	.18	.14	.06	.03
OTHER OPERATIVES AND KINDRED	42.88	37.06	51.17	48.24	46.08	39.91	13.30	12.11	28.95	28.26
ASBESTOS,INSULATION WRKS	.03	.03	.01	.01	.00	.00	.00	.00	.12	.12
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	42.85	37.02	51.15	48.23	46.08	39.91	13.29	12.09	28.79	28.10
SERVICE WORKERS	1.88	1.75	1.35	1.24	1.46	1.26	1.17	1.03	2.06	1.85
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.70	.57	.27	.23	.50	.39	.16	.10	.76	.59
FIREMEN	.01	.01	.01	.03	.01	.02	.00	.00	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.69	.55	.25	.20	.49	.37	.15	.09	.73	.55
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.00	.00	.01	.01	.02	.03
FOOD SERVICE WORKERS	.19	.18	.04	.04	.07	.06	.03	.03	.20	.22
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.10	.10	.02	.02	.01	.01	.01	.01	.04	.04
COUNTER AND FOUNTAIN WKRS	.04	.03	.02	.02	.03	.02	.01	.01	.11	.12
WAITERS AND WAITRESSES	.05	.05	.00	.00	.03	.03	.01	.01	.05	.07
OTHER SERVICE WORKERS	.99	1.00	1.04	.97	.89	.80	.98	.91	1.10	1.04
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.15	.20	.06	.05	.06	.04	.09	.09	.10	.12
JANITORS AND SEXTONS	.56	.55	.65	.61	.62	.66	.43	.34	.55	.43
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.28	.25	.33	.31	.21	.10	.46	.48	.44	.48
LABORERS,EXCEPT FARM AND MINE	7.69	4.40	5.38	3.24	3.33	1.38	1.37	1.05	4.81	1.72
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	13.33	20.53	29.63	35.30	13.29	16.92	17.80	21.27	16.21	23.56
ENGINEERS,TECHNICAL	4.50	6.18	1.15	1.54	3.15	3.23	5.14	5.98	5.71	6.75
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
ENGINEERS,CHEMICAL	.94	.96	.37	.47	1.73	1.69	2.81	2.99	2.18	2.67
ENGINEERS,CIVIL	.05	.06	.04	.02	.08	.07	.24	.27	.60	.62
ENGINEERS,ELECTRICAL	.12	.13	.03	.04	.00	.00	.24	.27	.19	.29
ENGINEERS,INDUSTRIAL	.97	1.51	.25	.42	.32	.37	.41	.54	.45	.53
ENGINEERS,MECHANICAL	1.94	2.45	.32	.37	.11	.10	.84	1.08	.93	1.10
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.15	.21	.02	.03
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.03	.02	.52	.54
OTHER ENGINEERS,TECHNICAL	.50	1.06	.13	.22	.91	1.00	.41	.58	.81	.97
NATURAL SCIENTISTS	3.21	3.66	11.85	12.42	5.21	6.60	5.25	6.21	2.09	2.56
CHEMISTS	2.81	3.15	4.26	4.40	4.80	6.21	4.31	5.20	1.68	2.02
AGRICULTURAL SCIENTISTS	.04	.03	.25	.25	.04	.00	.09	.12	.00	.00
BIOLOGICAL SCIENTISTS	.07	.08	3.76	4.27	.11	.11	.21	.22	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.01	.01	.02	.04	.16	.20
MATHEMATICIANS	.11	.11	.18	.19	.09	.13	.22	.22	.10	.13
PHYSICISTS	.11	.13	.04	.05	.04	.03	.29	.30	.10	.14
OTHER NATURAL SCIENTISTS	.08	.16	3.36	3.25	.11	.11	.10	.11	.05	.07
TECHNICIANS,EXC MEDICAL,DENT	1.81	3.78	7.54	9.56	3.27	4.53	3.58	3.87	2.34	4.53
DRAFTSMEN	.24	.26	.14	.14	.10	.12	.49	.60	.37	.53
SURVEYORS	.00	.00	.01	.01	.01	.02	.00	.00	.01	.02
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	1.57	3.51	7.39	9.41	3.17	4.39	3.08	3.27	1.96	3.98
MEDICAL,OTHER HEALTH WORKERS	.16	.15	2.06	1.76	.01	.01	.15	.22	.08	.11
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
NURSES,PROFESSIONAL	.10	.10	.06	.11	.01	.01	.05	.10	.05	.07
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	1.66	1.18	.00	.00	.01	.01	.00	.00
PHYSICIANS AND SURGEONS	.02	.02	.13	.18	.00	.00	.02	.01	.03	.04
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
TECHNICIANS,MEDICAL,DENTAL	.04	.04	.08	.09	.00	.00	.04	.06	.00	.00
VETERINARIANS	.00	.00	.12	.20	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
SOCIAL SCIENTISTS	.08	.08	.34	.36	.07	.08	.13	.13	.38	.41
ECONOMISTS	.04	.03	.14	.11	.02	.02	.09	.08	.25	.29
STATISTICIANS + ACTUARIES	.04	.05	.15	.18	.05	.06	.03	.05	.11	.10
OTHER SOCIAL SCIENTISTS	.00	.00	.05	.08	.00	.00	.00	.00	.02	.02
OTHER PROF,TECH AND KINDRED	3.56	6.69	6.68	9.65	1.55	2.45	3.53	4.86	5.62	9.20
ACCOUNTANTS AND AUDITORS	.39	.61	1.11	1.54	.95	1.51	.98	1.39	2.33	2.92
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.05	.11	.15	.47
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.31	.40	.04	.05	.14	.15	.08	.10
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.08	.11	.00	.00	.09	.08	.07	.05
EDITORS AND REPORTERS	.15	.17	.26	.38	.02	.03	.02	.01	.05	.05
LAWYERS AND JUDGES	.11	.08	.16	.18	.02	.02	.06	.03	.30	.19
LIBRARIANS	.00	.00	.03	.02	.02	.02	.05	.05	.03	.03
PERSONNEL AND LAB REL WRKS	.53	.67	.47	.59	.12	.17	.40	.50	.49	.58
PHOTOGRAPHERS	.00	.00	.03	.05	.00	.00	.09	.09	.04	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PROF,TECH,KINDRED,NEC	2.37	5.16	4.23	6.37	.38	.65	1.66	2.43	2.08	4.77
MANAGERS,OFFICIALS,PROPRIETORS	1.80	1.69	9.38	8.90	10.90	12.31	7.58	7.31	7.09	6.41
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.13	.16	.37	.46	.09	.08	.25	.30
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.16	.17
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.12	.09	.48	.25	.51	.55	.66	.60	.44	.32
MANAGERS,OFFICE,PROP. NEC	1.68	1.60	8.77	8.49	10.02	11.29	6.82	6.62	6.24	5.62

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	8.42	8.90	22.27	18.79	20.39	21.78	15.71	14.51	19.87	18.95
STENOS, TYPISTS, SECRETARIES	2.83	3.10	9.43	9.50	5.27	5.76	5.40	4.93	6.17	6.08
OFFICE MACHINE OPERATORS	.64	.77	1.48	1.97	2.60	2.95	.80	1.11	1.49	1.89
OTHER CLERICAL, KINDRED WRKRS	4.95	5.03	11.36	7.31	13.12	13.07	9.51	8.47	12.21	10.99
ACCOUNTING CLERKS	.57	.56	1.09	.86	1.31	1.41	.90	.79	1.05	1.05
BOOKKEEPERS, HAND	.00	.00	.23	.18	.94	.99	.28	.24	.92	.88
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.05	.03	.06	.04	.14	.15	.06	.04	.11	.10
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.36	.30	1.88	1.81	3.46	3.22	1.25	1.21	.53	.66
TELEPHONE OPERATORS	.15	.13	.20	.17	.45	.52	.24	.16	.31	.26
CLERICAL AND KINDRED, NEC	3.82	4.00	7.90	4.26	6.82	6.78	6.78	6.02	9.29	8.04
SALES WORKERS	.57	.70	3.00	4.79	6.08	7.44	2.91	2.99	2.05	2.22
CRAFTSMEN, FOREMEN AND KINDRED	22.06	22.34	9.05	10.27	9.02	7.83	17.53	18.19	20.39	20.77
CONSTRUCTION CRAFTSMEN	3.07	3.25	1.34	2.11	.83	.85	3.07	3.69	4.46	6.35
CARPENTERS	.51	.43	.11	.13	.10	.09	.32	.28	.57	.57
BRICKMASONS AND TILE SETRS	.00	.00	.04	.05	.00	.00	.08	.09	.10	.11
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.07	.05	.04	.07
ELECTRICIANS	1.47	1.53	.69	1.05	.29	.30	1.07	1.23	1.14	1.59
EXCAVATNG, GRADNG MACH OPER	.04	.05	.02	.05	.06	.07	.25	.31	.21	.54
PAINTERS AND PAPERHANGERS	.09	.07	.08	.09	.13	.09	.06	.04	.11	.09
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.93	1.16	.40	.76	.25	.30	1.19	1.66	2.11	3.07
ROOFERS AND SLATERS	.03	.01	.00	.00	.00	.00	.01	.01	.15	.29
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.03	.03
FOREMEN NEC	7.59	7.63	3.93	4.00	4.68	3.73	6.11	6.46	5.42	5.10
METALWKNG CRAFTS EXC MECH	2.46	2.42	.20	.29	.44	.39	1.74	1.62	2.26	2.00
MACHINISTS AND RELATED OCC	.76	.77	.00	.00	.09	.09	.81	.78	1.21	1.05
BLKSMITHS, FORGMN, HAMMERMEN	.02	.02	.00	.00	.00	.00	.05	.06	.02	.03
BOILERMAKERS	.04	.04	.00	.00	.00	.00	.14	.14	.76	.63
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	1.25	1.16	.03	.03	.29	.22	.55	.51	.18	.23
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.39	.43	.17	.25	.03	.03	.10	.05	.04	.01
TOOLMAKERS AND DIEMAKERS	.00	.00	.01	.01	.03	.04	.07	.05	.04	.05
PRINTING TRADES CRAFTSMEN	.00	.00	.33	.36	.22	.17	.09	.08	.12	.14
COMPOSITORS, TYPESETTERS	.00	.00	.27	.31	.18	.12	.07	.04	.02	.02
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.05	.05	.00	.00	.02	.02
PRESSMEN, PLATE PRINTERS	.00	.00	.06	.05	.00	.00	.02	.03	.06	.07
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.05	.05	.03	.03
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.02	.02	.01
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.03	.03	.01	.02
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	6.79	7.04	2.81	3.07	2.08	1.93	5.04	5.33	4.78	4.59
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.04	.05
MOTOR VEHICLE MECHANICS	.06	.07	.06	.06	.05	.03	.09	.08	.40	.34
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER MECHANICS AND REPAIR	6.72	6.97	2.76	3.01	2.02	1.91	4.95	5.25	4.33	4.16

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SYNTHETIC FIBERS		DRUGS AND MEDICINE		PAINTS AND VARNISHES AND RELATED		OTHER CHEMICALS		PETROLEUM REFINING AND COAL PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	2.16	1.99	.43	.45	.77	.77	1.43	.96	3.31	2.57
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
CRANE,DERRICK,HOIST MEN	.11	.10	.00	.00	.03	.02	.25	.26	.36	.42
GLAZIERS	.00	.00	.00	.00	.27	.24	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.09	.09	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.01	.00	.02	.02	.03	.03	.06	.04	.08	.02
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	1.95	1.79	.41	.43	.45	.47	1.10	.65	2.85	2.12
OPERATIVES AND KINDRED WORKERS	47.32	41.99	22.50	18.72	32.13	27.62	31.12	32.38	26.19	23.91
DRIVERS AND DELIVERYMEN	.52	.61	.66	.66	1.21	1.18	1.86	1.88	3.37	3.37
DRIVERS,BUS,TRUCK,TRACTOR	.47	.57	.44	.43	1.08	.99	1.64	1.61	2.97	3.00
DELIVERYMEN AND ROUTEMEN	.04	.03	.22	.22	.13	.19	.23	.27	.40	.37
TRANSP AND PUB UTIL OPERATVS	.36	.33	.00	.00	.00	.00	.11	.12	.28	.37
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.01	.01	.04	.06
POWER STATION OPERATORS	.36	.33	.00	.00	.00	.00	.09	.10	.07	.11
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.01	.01	.17	.20
SEMISKILLED METAL[illegible]NG OCC	.96	1.20	.16	.19	.11	.07	1.04	1.15	1.38	1.29
FURNACEMN,SMELTRM[illegible]ERS	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.96	1.20	.16	.19	.11	.07	1.01	1.13	1.38	1.29
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	2.01	1.57	.01	.00	.05	.01	.09	.05	.02	.02
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	1.88	1.45	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.12	.12	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.01	.00	.05	.01	.08	.05	.02	.02
OTHER OPERATIVES AND KINDRED	43.47	38.29	21.66	17.86	30.76	26.36	28.01	29.17	21.13	18.86
ASBESTOS,INSULATION WRKS	.24	.22	.09	.12	.04	.03	.12	.11	.59	.64
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.02	.00	.00	.00	.00	.04	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.03	.02	.02	.03
LAUNDRY,DRY CLEANING OPER	.05	.05	.00	.00	.00	.00	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	43.18	38.02	21.56	17.73	30.72	26.34	27.85	29.01	20.48	18.18
SERVICE WORKERS	2.78	2.56	2.27	2.12	1.74	1.32	1.94	1.71	1.56	1.17
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.75	.65	.57	.56	.80	.58	.80	.58	.67	.42
FIREMEN	.00	.00	.00	.00	.00	.00	.02	.02	.09	.13
GUARDS,WATCHMEN,DOORKEEPRS	.69	.57	.57	.56	.80	.58	.75	.54	.58	.29
POLICE,OTH LAW ENFORCE OFF	.06	.08	.00	.00	.00	.00	.02	.03	.01	.01
FOOD SERVICE WORKERS	.40	.38	.24	.15	.05	.03	.18	.23	.13	.14
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.03	.03	.05	.03	.00	.00	.04	.04	.11	.11
COUNTER AND FOUNTAIN WKRS	.31	.28	.16	.09	.05	.03	.08	.10	.00	.00
WAITERS AND WAITRESSES	.06	.07	.03	.03	.00	.00	.06	.08	.03	.03
OTHER SERVICE WORKERS	1.63	1.53	1.45	1.40	.89	.71	.96	.90	.75	.60
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.08	.07	.08	.09	.12	.12	.11	.14	.02	.00
JANITORS AND SEXTONS	.91	.70	.63	.59	.40	.25	.49	.37	.38	.17
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.64	.76	.75	.72	.37	.35	.36	.39	.35	.43
LABORERS,EXCEPT FARM AND MINE	3.72	1.30	1.92	1.12	6.45	4.77	5.41	1.65	6.64	3.01
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	18.94	29.37	5.60	7.58	5.26	6.26	6.63	8.58	3.92	4.59
ENGINEERS,TECHNICAL	6.80	8.42	1.46	2.18	1.71	1.86	2.03	2.15	1.39	1.65
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	2.66	3.47	.33	.47	.27	.26	.24	.19	.30	.31
ENGINEERS,CIVIL	.73	.78	.09	.15	.01	.01	.02	.02	.01	.01
ENGINEERS,ELECTRICAL	.24	.40	.00	.00	.06	.07	.06	.05	.06	.09
ENGINEERS,INDUSTRIAL	.53	.67	.11	.17	.45	.56	.62	.83	.29	.37
ENGINEERS,MECHANICAL	1.09	1.34	.30	.45	.27	.27	.25	.22	.29	.31
ENGINEERS,METALLURG,ETC	.03	.03	.00	.03	.01	.02	.03	.04	.00	.00
ENGINEERS,MINING	.66	.74	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.85	.99	.63	.93	.63	.66	.81	.80	.44	.56
NATURAL SCIENTISTS	2.32	3.00	1.20	1.33	.75	.78	1.25	1.38	.25	.34
CHEMISTS	1.81	2.39	1.16	1.27	.65	.67	1.11	1.18	.20	.30
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.20	.27	.01	.01	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.13	.18	.00	.01	.02	.01	.00	.00	.03	.03
PHYSICISTS	.12	.17	.04	.04	.02	.01	.02	.01	.02	.01
OTHER NATURAL SCIENTISTS	.07	.09	.00	.00	.05	.07	.11	.17	.00	.00
TECHNICIANS,ETC MEDICAL,DENT	2.76	5.91	.69	.74	.82	.86	1.06	1.34	.57	.51
DRAFTSMEN	.43	.66	.13	.17	.28	.28	.27	.28	.30	.29
SURVEYORS	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	2.32	5.23	.55	.56	.53	.57	.79	1.05	.27	.22
MEDICAL,OTHER HEALTH WORKERS	.09	.14	.03	.04	.04	.03	.04	.04	.04	.02
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.05	.08	.03	.04	.04	.02	.03	.03	.04	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.01	.02	.01	.01	.02	.02
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.01	.02	.01	.01	.02	.02
SOCIAL SCIENTISTS	.43	.51	.15	.14	.03	.02	.03	.02	.03	.02
ECONOMISTS	.29	.38	.08	.07	.02	.02	.01	.00	.03	.02
STATISTICIANS + ACTUARIES	.11	.10	.07	.08	.01	.01	.02	.02	.00	.00
OTHER SOCIAL SCIENTISTS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	6.53	11.39	2.07	3.16	1.90	2.71	2.20	3.63	1.61	2.03
ACCOUNTANTS AND AUDITORS	2.68	3.44	.97	1.50	.54	.80	.68	1.03	.41	.64
AIRPLANE PILOTS,NAVIGATORS	.18	.64	.00	.00	.03	.05	.05	.11	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.10	.13	.00	.00	.07	.05	.09	.09	.04	.02
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.05	.03	.13	.13	.23	.24	.05	.01	.40	.40
EDITORS AND REPORTERS	.06	.06	.00	.00	.01	.01	.01	.01	.01	.01
LAWYERS AND JUDGES	.35	.23	.07	.06	.02	.03	.03	.04	.02	.02
LIBRARIANS	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.58	.72	.14	.18	.26	.33	.21	.27	.30	.37
PHOTOGRAPHERS	.05	.04	.00	.00	.02	.02	.02	.02	.02	.01
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.00	.00	.01	.01	.00	.00
PROF,TECH,KINDRED,NEC	2.43	6.04	.76	1.29	.72	1.18	1.09	2.04	.41	.55
MANAGERS,OFFICIALS,PROPRIETORS	6.82	5.86	8.17	7.91	6.29	6.14	5.21	5.57	7.35	6.55
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.25	.25	.27	.42	.11	.14	.17	.24	.06	.07
OFFICERS,PILOTS,ENGRS,SHIP	.19	.21	.05	.05	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.40	.25	.58	.49	.31	.29	.33	.31	.28	.27
MANAGERS,OFFICE,PROP. NEC	5.98	5.14	7.27	6.95	5.87	5.71	4.71	5.02	7.01	6.21

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	19.69	17.27	20.56	23.59	13.16	13.98	13.38	13.81	12.95	14.10
STENOS, TYPISTS,SECRETARIES	5.95	5.43	7.00	7.85	3.37	3.29	3.30	3.39	3.45	3.22
OFFICE MACHINE OPERATORS	1.64	1.96	.89	1.70	.69	.84	.95	1.33	.43	.48
OTHER CLERICAL,KINDRED WRKRS	12.10	9.88	12.67	14.04	9.10	9.85	9.14	9.09	9.07	10.40
ACCOUNTING CLERKS	1.12	1.04	.77	1.06	.50	.46	.50	.50	.50	.44
BOOKKEEPERS,HAND	.93	.88	.87	.89	.55	.54	.22	.21	.87	.78
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.11	.08	.11	.15	.05	.03	.11	.07	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.23	.18	1.73	1.96	2.10	2.53	1.66	1.25	2.53	3.46
TELEPHONE OPERATORS	.35	.29	.17	.17	.11	.10	.13	.14	.08	.08
CLERICAL AND KINDRED,NEC	9.36	7.40	9.02	9.82	5.79	6.18	6.51	6.92	5.09	5.65
SALES WORKERS	1.69	1.76	3.47	3.49	1.80	1.85	1.95	2.24	1.65	1..
CRAFTSMEN,FOREMEN AND KINDRED	21.52	22.13	15.98	17.04	14.10	14.64	12.89	12.45	15.29	16.22
CONSTRUCTION CRAFTSMEN	4.80	6.86	3.12	4.94	1.05	1.05	1.32	1.33	.78	.85
CARPENTERS	.64	.66	.26	.31	.14	.12	.11	.11	.16	.13
BRICKMASONS AND TILE SETRS	.11	.10	.08	.12	.02	.02	.00	.00	.03	.03
CEMENT,CONCRETE FINISHERS	.05	.09	.00	.00	.04	.01	.07	.03	.00	.00
ELECTRICIANS	1.13	1.51	1.18	1.80	.49	.49	.53	.47	.45	.50
EXCAVATNG,GRADNG MACH OPER	.16	.42	.42	.86	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.10	.07	.13	.14	.04	.05	.02	.01	.06	.07
PLASTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
PLUMBERS AND PIPEFITTERS	2.57	3.96	.32	.61	.31	.33	.57	.68	.06	.08
ROOFERS AND SLATERS	.00	.00	.72	1.11	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.04	.04	.00	.00	.01	.01	.02	.03	.00	.00
FOREMEN NEC	5.62	5.39	4.67	4.30	6.50	6.90	5.62	5.57	7.36	7.85
METALWKNG CRAFTS EXC MECH	2.50	2.27	1.32	1.26	2.22	2.64	1.47	1.51	2.95	3.45
MACHINISTS AND RELATED OCC	1.43	1.31	.34	.32	.90	1.07	.67	.71	1.12	1.34
BLKSMITHS,FORGMN,HAMMERMEN	.03	.05	.00	.00	.00	.00	.01	.01	.00	.00
BOILERMAKERS	.92	.84	.12	.05	.00	.00	.01	.01	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.04	.05	.74	.75	.24	.25	.30	.28	.18	.23
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.03	.05	.02	.02	.03	.06
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.07	.10	.04	.03	.09	.15
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.05	.01	.00	.00	.07	.06	.14	.14	.00	.00
TOOLMAKERS AND DIEMAKERS	.02	.02	.12	.14	.91	1.10	.28	.30	1.52	1.67
PRINTING TRADES CRAFTSMEN	.11	.13	.15	.17	.28	.32	.12	.08	.43	.49
COMPOSITORS,TYPESETTERS	.02	.01	.04	.05	.20	.23	.10	.05	.30	.37
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.02	.05	.00	.00	.04	.05	.01	.01	.08	.08
PHOTOENGRVRS,LITHOGRAPHERS	.01	.01	.04	.04	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.06	.07	.07	.09	.04	.03	.01	.02	.06	.04
TRANSPORT AND PUB UTIL CRAFT	.04	.04	.00	.00	.02	.02	.01	.01	.02	.02
LINEMEN AND SERVICEMEN	.03	.02	.00	.00	.02	.02	.01	.01	.02	.02
LOCOMOTIVE ENGINEERS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.67	4.29	5.22	5.41	3.32	3.17	3.66	3.48	2.98	2.95
AIRPLANE MECH AND REPAIRMN	.05	.07	.00	.00	.01	.01	.02	.02	.00	.00
MOTOR VEHICLE MECHANICS	.47	.41	.14	.16	.02	.02	.04	.05	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.01	.03	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	4.13	3.76	5.08	5.25	3.29	3.14	3.59	3.41	2.98	2.95

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PETROLEUM REFINING		OTHER PETROLEUM AND COAL PRODUCTS		RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		RUBBER PRODUCTS		MISCELLANEOUS PLASTIC PRODUCTS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	3.77	3.15	1.51	.96	.73	.55	.69	.47	.77	.60
BAKERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.03	.04	.00	.00	.06	.06
CRANE,DERRICK,HOIST MEN	.35	.46	.44	.32	.04	.03	.05	.03	.03	.03
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.02	.03	.00	.00	.04	.05
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.09	.01	.06	.04	.01	.01	.01	.01	.01	.01
UPHOLSTERERS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
CRAFTSMEN AND KINDRED NEC	3.32	2.67	1.02	.60	.62	.43	.62	.43	.61	.43
OPERATIVES AND KINDRED WORKERS	24.63	21.22	32.27	31.33	53.76	52.69	52.73	51.62	54.77	53.47
DRIVERS AND DELIVERYMEN	2.99	2.40	4.83	6.03	.75	.71	1.05	1.05	.46	.47
DRIVERS,BUS,TRUCK,TRACTOR	2.56	2.04	4.58	5.65	.62	.59	.86	.87	.38	.38
DELIVERYMEN AND ROUTEMEN	.44	.36	.25	.38	.13	.13	.18	.19	.07	.08
TRANSP AND PUB UTIL OPERATVS	.32	.44	.15	.17	.02	.03	.05	.08	.00	.00
BRAKEMEN AND SWITCHMEN RR	.03	.04	.08	.10	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.09	.15	.00	.00	.02	.03	.05	.08	.00	.00
SAILORS AND DECKHANDS	.20	.25	.07	.07	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	1.54	1.43	.74	.91	.40	.48	.47	.59	.34	.41
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
WELDERS AND FLAME-CUTTERS	1.54	1.43	.74	.91	.40	.48	.46	.57	.34	.41
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.11	.09	.94	.90	.77	.53	1.11	1.18
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
WEAVERS,TEXTILE	.00	.00	.00	.00	.02	.02	.02	.02	.02	.02
SEWERS AND STITCHERS,MFG	.00	.00	.11	.09	.91	.87	.75	.51	1.06	1.14
OTHER OPERATIVES AND KINDRED	19.77	16.95	26.44	24.14	51.64	50.56	50.38	49.37	52.87	51.42
ASBESTOS,INSULATION WRKS	.74	.88	.00	.00	.04	.05	.05	.09	.02	.02
ATTEND,AUTO SERVICE,PARKNG	.05	.02	.00	.00	.01	.00	.02	.01	.00	.00
BLASTERS AND POWDERMEN	.01	.02	.06	.06	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	18.97	16.04	26.38	24.08	51.60	50.50	50.31	49.27	52.85	51.40
SERVICE WORKERS	1.37	.57	2.29	2.81	1.41	1.19	1.62	1.29	1.21	1.11
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.55	.12	1.15	1.25	.36	.30	.43	.32	.30	.27
FIREMEN	.07	.05	.16	.35	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.47	.06	.99	.90	.34	.27	.39	.30	.29	.25
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.03	.02	.04	.03	.01	.02
FOOD SERVICE WORKERS	.15	.17	.06	.06	.07	.06	.12	.12	.01	.01
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.13	.14	.00	.00	.03	.02	.05	.05	.00	.00
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.04	.03	.06	.05	.01	.01
WAITERS AND WAITRESSES	.02	.02	.06	.06	.01	.01	.01	.01	.00	.00
OTHER SERVICE WORKERS	.67	.28	1.09	1.51	.98	.83	1.07	.84	.89	.83
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
CHARWOMEN AND CLEANERS	.02	.00	.00	.00	.05	.05	.05	.03	.05	.06
JANITORS AND SEXTONS	.36	.07	.46	.46	.62	.49	.64	.35	.60	.60
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.28	.21	.63	1.05	.31	.29	.38	.45	.24	.17
LABORERS,EXCEPT FARM AND MINE	5.35	1.83	11.65	6.26	4.20	3.25	5.59	4.44	2.85	2.38
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.86	1.30	1.34	1.71	.63	.92	1.43	2.35	6.86	8.23
ENGINEERS,TECHNICAL	.12	.16	.36	.52	.07	.09	.18	.24	1.31	1.33
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,CIVIL	.00	.00	.00	.00	.00	.00	.00	.00	.23	.24
ENGINEERS,ELECTRICAL	.01	.01	.00	.00	.00	.00	.03	.04	.71	.70
ENGINEERS,INDUSTRIAL	.10	.12	.36	.52	.06	.07	.11	.15	.06	.07
ENGINEERS,MECHANICAL	.02	.02	.00	.00	.01	.01	.04	.05	.15	.14
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER ENGINEERS,TECHNICAL	.00	.00	.00	.00	.00	.00	.00	.00	.11	.13
NATURAL SCIENTISTS	.03	.05	.18	.21	.01	.02	.05	.07	.07	.08
CHEMISTS	.03	.05	.18	.21	.01	.02	.05	.07	.03	.03
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.09	.10	.25	.13	.03	.02	.24	.34	1.48	1.71
DRAFTSMEN	.03	.03	.00	.00	.00	.00	.12	.15	.22	.23
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.07	.11
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.18	.19
TECHNICIANS,OTHER	.07	.07	.25	.13	.03	.02	.12	.20	1.00	1.18
MEDICAL,OTHER HEALTH WORKERS	.01	.02	.04	.04	.00	.01	.03	.05	.02	.03
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.02	.04	.04	.00	.01	.03	.05	.01	.01
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.05
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.00	.00	.00	.00	.04	.05
SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.08	.08
ECONOMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.60	.97	.51	.81	.51	.78	.93	1.65	3.86	4.94
ACCOUNTANTS AND AUDITORS	.13	.20	.27	.39	.13	.19	.09	.15	.60	.90
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.78	1.03
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.01	.02	.00	.00	.00	.00	.05	.07	.21	.16
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.21	.23	.00	.00	.18	.19	.38	.43	.03	.03
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.00	.00	.00	.10	.08
LAWYERS AND JUDGES	.00	.00	.00	.00	.00	.00	.00	.00	.05	.04
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
PERSONNEL AND LAB REL WRKS	.07	.13	.14	.24	.05	.10	.10	.20	.20	.26
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.18	.40	.10	.18	.14	.30	.32	.80	1.84	2.39
MANAGERS,OFFICIALS,PROPRIETORS	4.59	5.49	6.90	8.98	3.31	3.72	7.83	9.85	8.01	7.87
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.77	.70
CREDITMEN	.04	.07	.00	.00	.06	.09	.00	.00	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.52	.43
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.31	.38	.48	.48	.30	.38	.31	.35	.11	.09
MANAGERS,OFFICE,PROP. NEC	4.23	5.04	6.42	8.50	2.95	3.25	7.52	9.51	6.59	6.63

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	10.46	13.79	7.33	7.02	10.38	13.42	11.88	17.21	25.39	24.53
STENOS, TYPISTS,SECRETARIES	1.88	2.53	1.14	1.06	1.67	2.03	2.84	4.57	3.17	3.24
OFFICE MACHINE OPERATORS	.58	1.17	.54	1.23	.55	1.19	.68	1.08	.96	1.25
OTHER CLERICAL,KINDRED WRKRS	8.00	10.09	5.64	4.73	8.16	10.20	8.35	11.56	21.27	20.05
ACCOUNTING CLERKS	.28	.34	.16	.08	.19	.20	.63	.85	1.03	.84
BOOKKEEPERS,HAND	.69	.78	.56	.32	.59	.61	1.09	1.47	.37	.39
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.06	.00	.00	.05	.08	.00	.00	.80	.81
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
SHIPPING,RECEIVING CLERKS	1.52	1.69	1.22	.46	1.34	1.63	2.23	2.33	.24	.25
TELEPHONE OPERATORS	.12	.13	.30	.28	.08	.09	.16	.22	4.95	4.14
CLERICAL AND KINDRED,NEC	5.34	7.09	3.41	3.59	5.91	7.59	4.24	6.69	13.88	13.54
SALES WORKERS	1.36	1.47	1.25	1.52	1.30	1.47	1.62	1.44	.98	1.18
CRAFTSMEN,FOREMEN AND KINDRED	6.98	8.10	10.82	12.92	6.38	7.61	7.47	7.99	21.34	22.08
CONSTRUCTION CRAFTSMEN	.19	.23	.59	.83	.15	.17	.16	.19	1.72	1.94
CARPENTERS	.06	.06	.24	.22	.03	.02	.12	.12	.21	.18
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ELECTRICIANS	.09	.11	.14	.28	.11	.13	.00	.00	.73	.76
EXCAVATNG,GRADNG MACH OPER	.00	.00	.00	.00	.00	.00	.00	.00	.19	.28
PAINTERS AND PAPERHANGERS	.01	.00	.00	.00	.01	.00	.00	.00	.14	.14
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.04	.21	.33	.01	.02	.00	.00	.40	.51
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.00	.00	.04	.06	.02	.02
FOREMEN NEC	4.63	5.25	5.98	7.08	4.21	4.77	5.48	6.14	2.79	2.58
METALWKNG CRAFTS EXC MECH	.24	.31	.54	.61	.18	.26	.33	.35	.73	.64
MACHINISTS AND RELATED OCC	.06	.10	.13	.15	.07	.11	.02	.02	.49	.39
BLKSMITHS,FORGMN,HAMMERMEN	.00	.01	.05	.07	.00	.00	.00	.00	.04	.04
BOILERMAKERS	.01	.01	.08	.14	.00	.00	.00	.00	.05	.03
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.02	.01	.20	.15	.00	.00	.00	.00	.01	.02
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.04	.06	.00	.00	.04	.08	.04	.04	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.04	.08	.01	.01	.00	.00	.12	.15
TOOLMAKERS AND DIEMAKERS	.10	.10	.03	.02	.06	.05	.28	.29	.01	.01
PRINTING TRADES CRAFTSMEN	.03	.04	.00	.00	.03	.04	.04	.04	.02	.02
COMPOSITORS,TYPESETTERS	.03	.04	.00	.00	.03	.04	.04	.04	.01	.02
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.03	.03	.00	.00	.00	.00	.12	.15	8.04	9.06
LINEMEN AND SERVICEMEN	.03	.03	.00	.00	.00	.00	.12	.15	6.95	8.13
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.75	.69
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.33	.24
MECHANICS AND REPAIRMEN	1.67	2.08	3.19	3.96	1.66	2.24	1.13	.96	6.25	6.44
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	1.14	1.49
MOTOR VEHICLE MECHANICS	.01	.01	.00	.00	.01	.01	.00	.00	1.44	1.50
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.08	.06
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.65	.55
OTHER MECHANICS AND REPAIR	1.66	2.08	3.19	3.96	1.65	2.23	1.13	.96	2.94	2.83

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	LEATHER PRODUCTS		LEATHER TANNING AND FINISHING		FOOTWEAR EXCEPT RUBBER		ALL OTHER LEATHER PRODUCTS		TRANSPORTATION COMMUNICATIONS AND PUBLIC UTILITIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.19	.16	.51	.44	.14	.12	.21	.18	1.80	1.40
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.00	.00	.01	.01	.00	.00	.01	.00
CRANE,DERRICK,HOIST MEN	.01	.01	.00	.00	.01	.01	.00	.00	.17	.20
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.00	.00	.00	.00	.00	.00	.74	.44
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CRAFTSMEN AND KINDRED NEC	.17	.14	.51	.44	.12	.10	.21	.18	.86	.75
OPERATIVES AND KINDRED WORKERS	71.76	66.12	58.92	57.23	74.94	69.66	66.32	58.00	25.10	25.07
DRIVERS AND DELIVERYMEN	.34	.38	.91	.93	.27	.33	.34	.35	18.16	18.65
DRIVERS,BUS,TRUCK,TRACTOR	.24	.25	.65	.63	.20	.23	.22	.18	15.38	16.17
DELIVERYMEN AND ROUTEMEN	.09	.13	.26	.30	.06	.09	.13	.18	2.78	2.48
TRANSP AND PUB UTIL OPERATVS	.04	.04	.00	.00	.04	.04	.04	.04	2.45	2.07
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	1.62	1.43
POWER STATION OPERATORS	.04	.04	.00	.00	.04	.04	.04	.04	.31	.26
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.52	.38
SEMISKILLED METALWORKING OCC	.03	.03	.00	.00	.02	.02	.07	.07	.36	.33
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.03	.03	.00	.00	.02	.02	.07	.07	.35	.33
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	13.67	10.78	.55	.43	16.33	13.08	10.01	7.04	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.01	.03	.00	.00	.02	.04	.00	.00	.00	.00
WEAVERS,TEXTILE	.02	.04	.00	.00	.02	.03	.05	.07	.00	.00
SEWERS AND STITCHERS,MFG	13.64	10.72	.55	.43	16.30	13.01	9.97	6.97	.00	.00
OTHER OPERATIVES AND KINDRED	57.68	54.89	57.46	55.87	58.27	56.19	55.85	50.49	4.13	4.02
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.05	.03
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	57.67	54.88	57.46	55.87	58.26	56.18	55.85	50.49	4.04	3.96
SERVICE WORKERS	.99	.98	1.76	1.53	.92	.96	.92	.89	2.93	3.02
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.33	.30	.89	.76	.31	.29	.19	.18	.51	.40
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
GUARDS,WATCHMEN,DOORKEEPRS	.33	.30	.89	.76	.31	.29	.19	.18	.39	.25
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.00	.00	.00	.00	.12	.15
FOOD SERVICE WORKERS	.03	.04	.00	.00	.02	.02	.09	.09	.31	.24
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.02	.02	.00	.00	.01	.01	.06	.06	.16	.13
COUNTER AND FOUNTAIN WKRS	.01	.01	.00	.00	.00	.00	.03	.03	.03	.02
WAITERS AND WAITRESSES	.01	.01	.00	.00	.01	.01	.00	.00	.12	.09
OTHER SERVICE WORKERS	.63	.64	.87	.76	.59	.64	.65	.62	2.11	2.38
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.69	1.19
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.07	.07	.00	.00	.06	.06	.14	.13	.13	.14
JANITORS AND SEXTONS	.25	.29	.51	.46	.26	.32	.13	.12	.43	.37
NURSES,PRACTICAL	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
SERVICE WORKERS,NEC	.29	.28	.36	.30	.26	.25	.38	.36	.86	.68
LABORERS,EXCEPT FARM AND MINE	3.01	2.75	11.69	9.09	2.15	2.23	2.54	2.26	9.39	8.01
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.28	4.24	3.02	3.67	1.22	1.69	1.08	1.51	1.50	2.12
ENGINEERS,TECHNICAL	.36	.37	.65	.65	.29	.36	.40	.46	.09	.11
ENGINEERS,AERONAUTICAL	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.11	.09	.31	.29	.15	.16	.22	.23	.00	.00
ENGINEERS,ELECTRICAL	.05	.04	.07	.09	.11	.11	.12	.12	.09	.10
ENGINEERS,INDUSTRIAL	.04	.05	.05	.06	.01	.02	.01	.03	.00	.01
ENGINEERS,MECHANICAL	.09	.10	.17	.16	.02	.05	.03	.07	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.04	.05	.05	.01	.01	.01	.01	.00	.00
NATURAL SCIENTISTS	.02	.03	.04	.07	.01	.01	.02	.02	.00	.00
CHEMISTS	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.01	.02	.02	.04	.01	.01	.02	.02	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.46	.51	.76	1.06	.36	.44	.05	.08	.97	1.30
DRAFTSMEN	.08	.07	.29	.34	.01	.02	.02	.02	.00	.00
SURVEYORS	.04	.05	.13	.21	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.20	.22	.00	.00	.35	.41	.03	.05	.97	1.30
TECHNICIANS,OTHER	.14	.16	.33	.51	.01	.01	.01	.02	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.02	.02	.02	.03	.03	.05	.04	.07	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.01	.02	.00	.01	.00	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.01	.01	.01	.01	.02	.01	.03	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.01	.02	.02	.03	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.04	.06	.00	.00	.03	.03	.04	.04	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.04	.06	.00	.00	.03	.03	.04	.04	.01	.01
SOCIAL SCIENTISTS	.05	.05	.10	.12	.03	.03	.04	.04	.00	.00
ECONOMISTS	.01	.01	.01	.02	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.04	.04	.09	.10	.03	.03	.04	.04	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	2.33	3.19	1.45	1.74	.47	.77	.50	.80	.42	.70
ACCOUNTANTS AND AUDITORS	.47	.75	.49	.82	.20	.35	.25	.43	.09	.18
AIRPLANE PILOTS,NAVIGATORS	1.35	1.79	.00	.00	.03	.04	.03	.04	.03	.03
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.02	.03	.00	.00	.00	.00	.00	.00
EDITORS AND REPORTERS	.02	.02	.03	.01	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.04	.03	.07	.06	.04	.03	.05	.05	.00	.00
LIBRARIANS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.10	.13	.10	.09	.04	.06	.03	.04	.06	.09
PHOTOGRAPHERS	.01	.03	.01	.01	.01	.01	.02	.02	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.31	.41	.71	.71	.15	.27	.11	.22	.24	.40
MANAGERS,OFFICIALS,PROPRIETORS	10.04	9.59	11.64	14.26	5.07	4.16	5.15	4.51	4.92	3.30
CONDUCTORS,RAILROAD	1.34	1.23	6.33	8.00	.02	.01	.04	.02	.00	.00
CREDITMEN	.01	.02	.01	.02	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.91	.76	.11	.10	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.11	.08	.06	.07	.08	.06	.12	.08	.02	.02
MANAGERS,OFFICE,PROP. NEC	7.67	7.50	5.12	6.06	4.95	4.08	4.98	4.40	4.90	3.28

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	19.42	21.04	19.69	17.90	11.96	11.17	12.68	11.21	10.54	11.07
STENOS, TYPISTS,SECRETARIES	2.62	2.86	1.78	1.71	.99	.97	1.36	1.23	.29	.33
OFFICE MACHINE OPERATORS	.75	1.10	1.05	1.77	.27	.40	.37	.50	.08	.18
OTHER CLERICAL,KINDRED WRKRS	16.04	17.08	16.86	14.42	10.69	9.80	10.96	9.48	10.17	10.56
ACCOUNTING CLERKS	.77	.72	.41	.26	.33	.25	.45	.31	.09	.10
BOOKKEEPERS,HAND	.36	.38	.00	.00	.48	.49	.27	.25	.88	1.07
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.79	.92	.38	.41	.66	.63	1.00	.89	.00	.00
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.39	.41	.24	.25	.15	.15	.09	.08	.29	.31
TELEPHONE OPERATORS	.25	.27	.27	.25	.40	.34	.06	.03	1.05	1.08
CLERICAL AND KINDRED,NEC	13.48	14.23	15.56	13.24	8.67	7.93	9.09	7.91	7.86	8.00
SALES WORKERS	.84	1.08	.22	.30	.15	.19	.22	.27	.01	.01
CRAFTSMEN,FOREMEN AND KINDRED	15.33	14.65	31.66	33.21	11.05	10.27	15.38	13.49	2.62	2.50
CONSTRUCTION CRAFTSMEN	1.39	1.44	3.85	4.52	.87	.95	1.29	1.32	.06	.06
CARPENTERS	.29	.24	.77	.56	.14	.16	.21	.22	.00	.00
BRICKMASONS AND TILE SETRS	.01	.01	.01	.01	.04	.06	.06	.08	.00	.00
CEMENT,CONCRETE FINISHERS	.01	.01	.00	.00	.06	.09	.08	.13	.00	.00
ELECTRICIANS	.64	.68	1.88	2.47	.39	.35	.60	.50	.00	.00
EXCAVATNG,GRADNG MACH OPER	.09	.12	.12	.16	.00	.01	.01	.01	.00	.00
PAINTERS AND PAPERHANGERS	.18	.17	.34	.31	.16	.18	.22	.23	.05	.05
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.16	.18	.66	.95	.04	.05	.06	.07	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.02	.01	.02	.01	.01
STRUCTURAL METALWORKERS	.02	.02	.06	.07	.03	.05	.04	.06	.00	.00
FOREMEN NEC	2.47	2.13	4.47	3.84	1.06	1.07	1.50	1.43	.21	.21
METALWKNG CRAFTS EXC MECH	1.09	.95	4.12	4.20	.30	.38	.44	.52	.03	.03
MACHINISTS AND RELATED OCC	.75	.58	3.28	3.37	.20	.26	.29	.35	.03	.03
BLKSMITHS,FORGMN,HAMMERMEN	.05	.05	.20	.27	.02	.01	.03	.02	.00	.00
BOILERMAKERS	.06	.03	.26	.14	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.02	.02	.01	.01	.03	.04	.04	.06	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.20	.25	.33	.39	.04	.04	.06	.06	.00	.00
TOOLMAKERS AND DIEMAKERS	.01	.01	.02	.02	.01	.02	.02	.03	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.02	.02	.02	.01	.01	.01	.01	.00	.00
COMPOSITORS,TYPESETTERS	.01	.01	.02	.02	.01	.01	.01	.01	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	1.99	1.75	9.16	10.95	.21	.26	.31	.36	.02	.02
LINEMEN AND SERVICEMEN	.12	.13	.35	.46	.16	.18	.23	.25	.02	.02
LOCOMOTIVE ENGINEERS	1.29	1.20	6.07	7.75	.05	.08	.07	.11	.00	.00
LOCOMOTIVE FIREMEN	.58	.42	2.74	2.74	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	6.67	7.39	5.78	6.74	8.06	7.33	11.05	9.47	2.25	2.14
AIRPLANE MECH AND REPAIRMN	1.98	2.62	.00	.00	.03	.04	.03	.04	.04	.06
MOTOR VEHICLE MECHANICS	2.25	2.35	.03	.03	5.39	4.86	7.19	6.11	1.90	1.84
OFFICE MACHINE MECHANICS	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.09	.07	.04	.05	.01	.01	.01	.01	.01	.01
RR AND CAR SHOP MECHANICS	1.13	.98	4.93	5.93	.39	.47	.89	.66	.00	.00
OTHER MECHANICS AND REPAIR	1.42	1.36	.77	.70	2.04	1.95	2.93	2.66	.29	.23

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL TRANSPORTATION		RAILROADS		LOCAL AND INTERURBAN PASSENGER TRANSPORTATION		LOCAL AND INTERURBAN EXCEPT TAXIS		TAXIS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.50	.98	4.26	2.96	.53	.27	.78	.38	.05	.03
BAKERS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.18	.19	.30	.24	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.89	.47	3.46	2.34	.36	.17	.54	.24	.01	.00
UPHOLSTERERS	.02	.01	.06	.03	.03	.02	.04	.03	.00	.00
CRAFTSMEN AND KINDRED NEC	.38	.29	.41	.32	.14	.08	.20	.10	.04	.02
OPERATIVES AND KINDRED WORKERS	37.04	37.07	20.24	21.64	65.77	67.97	58.51	62.75	79.92	80.57
DRIVERS AND DELIVERYMEN	29.12	30.05	1.45	1.04	59.96	62.32	50.32	55.25	78.74	79.41
DRIVERS,BUS,TRUCK,TRACTOR	24.45	25.82	1.22	.91	32.38	37.89	48.64	53.47	.69	.24
DELIVERYMEN AND ROUTEMEN	4.67	4.23	.24	.13	27.58	24.43	1.68	1.77	78.05	79.17
TRANSP AND PUB UTIL OPERATVS	3.72	3.20	13.10	16.11	.36	.29	.51	.40	.05	.03
BRAKEMEN AND SWITCHMEN RR	2.80	2.51	13.02	16.04	.28	.20	.39	.27	.05	.03
POWER STATION OPERATORS	.02	.03	.02	.02	.06	.07	.09	.10	.00	.00
SAILORS AND DECKHANDS	.90	.67	.06	.06	.02	.02	.03	.03	.00	.00
SEMISKILLED METALWORKING OCC	.32	.29	.77	.75	.12	.14	.18	.19	.02	.02
FURNACEMN,SMELTRMN,POURERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.32	.29	.76	.74	.12	.14	.18	.19	.02	.02
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	3.87	3.52	4.92	3.74	5.33	5.21	7.50	6.91	1.11	1.11
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.00	.00	.05	.05	.01	.01	.13	.14
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.08	.05	.01	.01	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.76	3.44	4.90	3.72	5.28	5.17	7.48	6.90	.98	.97
SERVICE WORKERS	3.97	4.42	3.78	2.61	2.99	2.99	4.42	4.17	.19	.14
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.72	.59	1.04	.87	.44	.39	.66	.55	.02	.02
FIREMEN	.01	.01	.01	.02	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.52	.33	.58	.33	.26	.14	.38	.19	.02	.02
POLICE,OTH LAW ENFORCE OFF	.20	.24	.45	.52	.19	.25	.28	.35	.00	.00
FOOD SERVICE WORKERS	.44	.35	.69	.36	.33	.30	.48	.40	.04	.05
BARTENDERS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.25	.20	.35	.18	.10	.06	.14	.08	.02	.02
COUNTER AND FOUNTAIN WKRS	.01	.01	.00	.00	.01	.01	.02	.01	.00	.00
WAITERS AND WAITRESSES	.18	.13	.32	.17	.22	.23	.32	.31	.02	.03
OTHER SERVICE WORKERS	2.80	3.48	2.05	1.38	2.22	2.30	3.28	3.22	.14	.08
AIRLINE STEWARDS,STWRDSSES	1.29	2.10	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.12	.12	.29	.35	.08	.09	.13	.13	.00	.00
JANITORS AND SEXTONS	.27	.26	.32	.22	.30	.28	.44	.40	.01	.00
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
SERVICE WORKERS,NEC	1.21	1.00	1.45	.80	1.83	1.92	2.70	2.69	.13	.07
LABORERS,EXCEPT FARM AND MINE	10.09	7.92	9.76	6.41	1.79	1.56	2.56	2.08	.30	.29
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.67	1.10	.58	.97	1.68	2.79	2.23	4.05	15.50	15.83
ENGINEERS,TECHNICAL	.11	.16	.06	.10	.68	.92	.21	.20	.61	.61
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.21	.22
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.01	.03	.02	.03	.00	.00	.06	.05	.03	.02
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.02	.02	.02	.03	.07	.02
ENGINEERS,INDUSTRIAL	.02	.02	.02	.02	.00	.00	.04	.04	.12	.15
ENGINEERS,MECHANICAL	.05	.07	.02	.02	.48	.61	.04	.03	.11	.11
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.04	.01	.03	.19	.29	.05	.05	.06	.07
NATURAL SCIENTISTS	.00	.00	.00	.01	.00	.00	.02	.02	.06	.08
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.01	.00	.00	.02	.02	.02	.03
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
TECHNICIANS,EXC MEDICAL,DENT	.02	.04	.03	.04	.00	.01	.54	.84	1.35	.95
DRAFTSMEN	.00	.00	.00	.00	.00	.00	.04	.05	.03	.03
SURVEYORS	.00	.00	.00	.00	.00	.00	.02	.03	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.03	.02	.04	.00	.00	.48	.66	.86	.63
TECHNICIANS,OTHER	.00	.00	.00	.00	.00	.01	.00	.09	.46	.29
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.00	.00	.00	.00	.03	.07	.05	.05
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.01	.02	.03	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.02	.02	.00	.00	.27	.30
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.02	.02	.00	.00	.27	.30
SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.05	.07	.10	.09
ECONOMISTS	.00	.00	.00	.00	.00	.00	.01	.01	.03	.02
STATISTICIANS + ACTUARIES	.00	.00	.00	.00	.00	.00	.04	.06	.07	.07
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.53	.90	.49	.82	.98	1.85	1.37	2.86	13.06	13.74
ACCOUNTANTS AND AUDITORS	.36	.62	.33	.56	.76	1.43	.77	1.54	.82	.90
AIRPLANE PILOTS,NAVIGATORS	.00	.01	.00	.00	.03	.09	.01	.05	11.17	11.58
ARCHITECTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.00	.00	.00	.00	.04	.04	.10	.08
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
EDITORS AND REPORTERS	.01	.01	.01	.01	.00	.00	.00	.00	.06	.05
LAWYERS AND JUDGES	.01	.01	.01	.01	.02	.03	.03	.03	.06	.04
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.06	.10	.06	.10	.07	.10	.20	.31	.22	.25
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.02	.22	.06	.06
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.07	.15	.07	.14	.09	.19	.28	.64	.55	.77
MANAGERS,OFFICIALS,PROPRIETORS	9.90	9.23	9.35	8.66	16.29	16.70	18.97	18.86	6.63	5.02
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.02	.02	.02	.02	.02	.03	.00	.00	.02	.02
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.02	.02	11.27	9.42	.06	.06
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.07	.04	.04	.02	.35	.34	.18	.14	.17	.05
MANAGERS,OFFICE,PROP. NEC	9.81	9.16	9.29	8.61	15.90	16.32	7.51	9.30	6.39	4.89

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	15.80	17.49	15.27	17.00	21.95	23.78	15.69	21.16	30.41	29.72
STENOS, TYPISTS,SECRETARIES	2.38	2.49	2.29	2.41	3.38	3.65	2.95	3.34	4.53	4.03
OFFICE MACHINE OPERATORS	.75	1.22	.78	1.26	.42	.81	.55	.90	.59	.57
OTHER CLERICAL,KINDRED WRKRS	12.66	13.77	12.19	13.34	18.14	19.32	12.19	16.93	25.29	25.13
ACCOUNTING CLERKS	.94	.96	.98	1.00	.45	.42	.87	.85	.87	.42
BOOKKEEPERS,HAND	.65	.62	.38	.35	3.85	4.04	.00	.00	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.40	.40	.43	.43	.06	.04	.19	.15	.16	.16
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	1.81	.00	.00
SHIPPING,RECEIVING CLERKS	.36	.34	.23	.23	1.84	1.69	.98	1.21	.20	.15
TELEPHONE OPERATORS	.18	.21	.18	.22	.14	.11	.14	.10	.31	.33
CLERICAL AND KINDRED,NEC	10.13	11.24	9.99	11.11	11.79	13.02	10.02	12.81	23.76	24.07
SALES WORKERS	1.31	1.61	1.25	1.56	1.90	2.14	.43	.61	.58	.47
CRAFTSMEN,FOREMEN AND KINDRED	7.60	7.72	7.55	7.74	8.10	7.52	6.95	8.36	25.03	24.71
CONSTRUCTION CRAFTSMEN	.29	.37	.25	.33	.70	.88	1.59	1.97	1.36	1.54
CARPENTERS	.07	.08	.05	.06	.32	.37	.71	.97	.09	.09
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.03	.04	.02	.03	.14	.19	.43	.46	.94	1.09
EXCAVATNG,GRADNG MACH OPER	.09	.14	.09	.14	.09	.13	.18	.23	.01	.01
PAINTERS AND PAPERHANGERS	.06	.07	.06	.07	.05	.04	.21	.23	.28	.32
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.01	.03	.01	.02	.09	.15	.03	.03	.04	.03
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.01	.01	.00	.00	.02	.02	.00	.00
FOREMEN NEC	2.20	2.08	2.04	1.96	4.00	3.64	1.67	2.11	1.96	1.49
METALWKNG CRAFTS EXC MECH	.05	.07	.05	.07	.13	.12	.14	.19	1.17	1.31
MACHINISTS AND RELATED OCC	.01	.00	.00	.00	.05	.05	.07	.10	.13	.09
BLKSMITHS,FORGMN,HAMMERMEN	.01	.01	.01	.01	.00	.00	.02	.02	.01	.01
BOILERMAKERS	.01	.02	.02	.03	.00	.00	.01	.01	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.02	.01	.01	.04	.04	.03	.05	.04	.04
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.01	.01	.02	.02	.01	.01	.98	1.17
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PRINTING TRADES CRAFTSMEN	.01	.01	.01	.01	.00	.00	.01	.01	.05	.06
COMPOSITORS,TYPESETTERS	.01	.01	.01	.01	.00	.00	.01	.01	.03	.03
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.01	.00	.00	.00	.03	.04	.01	.00	.06	.09
LINEMEN AND SERVICEMEN	.01	.00	.00	.00	.03	.04	.01	.00	.06	.09
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.48	4.71	4.71	4.94	1.86	1.72	1.71	2.00	19.98	19.83
AIRPLANE MECH AND REPAIRMN	.01	.02	.01	.02	.03	.06	.13	.23	16.33	16.84
MOTOR VEHICLE MECHANICS	3.57	3.89	3.86	4.17	.29	.31	.08	.08	.20	.14
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.02	.02	.66	.35
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.89	.80	.84	.75	1.54	1.36	1.49	1.66	2.10	2.49

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TRUCKING AND WAREHOUSING		TRUCKING		WAREHOUSING		WATER TRANSPORTATION		AIR TRANSPORTATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.56	.48	.49	.43	1.39	1.12	1.82	2.08	.46	.39
BAKERS	.00	.00	.00	.00	.02	.03	.05	.02	.01	.01
CABINETMAKERS	.01	.01	.00	.00	.08	.07	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.07	.06	.06	.06	.12	.14	1.13	1.55	.01	.01
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.19	.16	.19	.16	.20	.14	.07	.04	.07	.06
UPHOLSTERERS	.00	.00	.00	.00	.02	.02	.01	.01	.03	.02
CRAFTSMEN AND KINDRED NEC	.29	.25	.24	.21	.95	.73	.56	.46	.35	.29
OPERATIVES AND KINDRED WORKERS	52.39	52.30	54.70	54.14	25.50	28.40	18.92	17.12	4.83	5.03
DRIVERS AND DELIVERYMEN	49.82	49.96	53.25	52.80	9.95	13.27	.77	1.05	.65	.45
DRIVERS,BUS,TRUCK,TRACTOR	47.93	47.79	51.22	50.47	9.67	13.06	.73	1.01	.35	.26
DELIVERYMEN AND ROUTEMEN	1.89	2.17	2.03	2.33	.28	.22	.04	.04	.30	.18
TRANSP AND PUB UTIL OPERATVS	.05	.06	.05	.06	.04	.04	11.49	8.59	.02	.00
BRAKEMEN AND SWITCHMEN RR	.04	.06	.05	.06	.00	.00	.02	.03	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.13	.17	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.04	.04	11.34	8.40	.02	.00
SEMISKILLED METALWORKING OCC	.20	.19	.21	.20	.05	.05	.30	.42	.26	.28
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.20	.19	.21	.20	.05	.05	.30	.42	.26	.28
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	2.33	2.09	1.20	1.09	15.47	15.03	6.36	7.06	3.90	4.30
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.04	.04	.04	.04	.03	.03	.02	.04	.03	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.18	.11	.00	.00	2.31	1.60	.04	.03	.01	.01
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	2.10	1.93	1.15	1.05	13.12	13.39	6.29	6.97	3.86	4.27
SERVICE WORKERS	.70	.61	.54	.50	2.47	2.02	6.40	5.28	14.26	17.27
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.24	.15	.15	.08	1.29	1.10	1.22	.93	.33	.17
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.07	.05
GUARDS,WATCHMEN,DOORKEEPRS	.23	.14	.14	.07	1.26	1.07	1.08	.70	.19	.02
POLICE,OTH LAW ENFORCE OFF	.01	.01	.01	.01	.03	.03	.14	.23	.08	.10
FOOD SERVICE WORKERS	.01	.02	.01	.01	.06	.05	2.61	2.57	.38	.29
BARTENDERS	.00	.00	.00	.00	.00	.00	.04	.03	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.01	.02	.01	.01	.06	.05	1.67	1.58	.23	.24
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.00	.00	.01	.01	.08	.06
WAITERS AND WAITRESSES	.00	.00	.00	.00	.00	.00	.89	.95	.07	.00
OTHER SERVICE WORKERS	.45	.44	.39	.41	1.11	.87	2.57	1.78	13.54	16.81
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	10.03	13.68
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.07	.09	.07	.08	.13	.14	.07	.10	.09	.08
JANITORS AND SEXTONS	.19	.23	.17	.22	.39	.33	.13	.16	.56	.45
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
SERVICE WORKERS,NEC	.19	.13	.15	.11	.59	.39	2.36	1.51	2.87	2.60
LABORERS,EXCEPT FARM AND MINE	11.64	9.94	10.74	9.42	22.11	16.66	30.41	24.56	2.76	1.94
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	11.20	16.22	2.53	3.04	11.70	13.44	15.23	16.81	10.14	12.03
ENGINEERS,TECHNICAL	6.14	7.75	.31	.25	2.60	2.59	1.86	1.90	1.49	1.59
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.67	.83	.00	.00	.02	.02	.00	.00	.00	.00
ENGINEERS,CIVIL	.73	.91	.16	.11	.39	.43	.05	.05	.06	.06
ENGINEERS,ELECTRICAL	.50	.67	.06	.04	1.61	1.57	1.59	1.64	1.26	1.37
ENGINEERS,INDUSTRIAL	.34	.47	.00	.00	.09	.09	.06	.06	.04	.04
ENGINEERS,MECHANICAL	2.04	2.65	.08	.07	.22	.20	.04	.04	.03	.02
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
ENGINEERS,MINING	1.87	2.11	.00	.00	.01	.01	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.11	.00	.02	.22	.25	.11	.12	.10	.10
NATURAL SCIENTISTS	.20	.29	.00	.03	.13	.15	.04	.05	.03	.04
CHEMISTS	.11	.14	.00	.00	.05	.06	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.03	.01	.01	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.01	.01	.00	.00	.02	.02	.00	.00	.00	.00
MATHEMATICIANS	.09	.14	.00	.00	.03	.04	.04	.05	.03	.04
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	3.42	6.74	.51	.54	2.85	3.28	3.52	3.33	2.17	2.48
DRAFTSMEN	1.24	1.58	.03	.03	.42	.44	.12	.14	.12	.13
SURVEYORS	.12	.17	.29	.30	.12	.18	.03	.04	.03	.04
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.08	.08	.16	.14	.28	.25	.03	.03
TECHNICIANS,OTHER	2.07	4.99	.12	.13	2.16	2.51	3.09	2.91	1.99	2.28
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.00	.00	.03	.04	.04	.05	.04	.06
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.01	.02	.02	.02	.02	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02
PSYCHOLOGISTS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.06	.06	.04	.04	.07	.08	.06	.07
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.06	.06	.04	.04	.07	.08	.06	.07
SOCIAL SCIENTISTS	.00	.00	.10	.11	.13	.12	.10	.09	.12	.10
ECONOMISTS	.00	.00	.04	.04	.06	.05	.04	.03	.04	.03
STATISTICIANS + ACTUARIES	.00	.00	.06	.07	.07	.07	.07	.06	.08	.07
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.44	1.43	1.55	2.05	5.92	7.21	9.60	11.31	6.24	7.69
ACCOUNTANTS AND AUDITORS	1.14	1.07	.68	1.02	.78	1.09	.67	.93	.70	.93
AIRPLANE PILOTS,NAVIGATORS	.09	.17	.00	.00	.02	.04	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
WRKRS IN ARTS,ENTERTAINMNT	.00	.00	.16	.14	.47	.35	.89	.68	.09	.07
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.00	.00	.06	.07	.04	.03	.02	.02
EDITORS AND REPORTERS	.00	.00	.09	.09	.20	.15	.36	.28	.02	.02
LAWYERS AND JUDGES	.09	.09	.10	.11	.06	.05	.05	.04	.04	.02
LIBRARIANS	.00	.00	.00	.00	.01	.01	.02	.01	.01	.01
PERSONNEL AND LAB REL WRKS	.04	.03	.03	.04	.35	.42	.50	.63	.58	.73
PHOTOGRAPHERS	.00	.00	.00	.00	.05	.04	.08	.06	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
PROF,TECH,KINDRED,NEC	.07	.07	.49	.64	3.90	4.99	6.97	8.63	4.76	5.87
MANAGERS,OFFICIALS,PROPRIETORS	5.54	6.73	13.74	12.64	5.27	5.63	5.30	5.99	2.65	3.26
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.03	.02	.03	.02	.01	.01	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.04	.02	.17	.14	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.21	.20	.44	.37	.11	.11	.02	.01	.01	.01
MANAGERS,OFFICE,PROP. NEC	5.30	6.51	13.11	12.12	5.13	5.50	5.27	5.97	2.63	3.26

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	70 RATIO	00 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	17.04	20.26	55.15	60.36	33.45	29.10	47.97	40.50	52.54	44.18
STENOS, TYPISTS,SECRETARIES	4.32	4.95	8.55	9.91	3.90	3.73	4.49	4.14	3.70	3.37
OFFICE MACHINE OPERATORS	.90	1.49	1.74	1.83	1.23	1.43	1.44	1.69	1.63	1.91
OTHER CLERICAL,KINDRED WRKRS	11.82	13.82	44.86	48.61	28.31	23.93	42.04	34.66	47.20	38.90
ACCOUNTING CLERKS	3.94	4.60	1.63	1.60	1.37	.99	1.51	1.07	1.66	1.13
BOOKKEEPERS,HAND	.00	.00	.76	1.03	.38	.39	.18	.17	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.15	.18	10.53	11.40	.80	.66	.72	.54	.81	.61
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	1.69	1.87	.05	.04	.04	.04	.05	.05
TELEPHONE OPERATORS	.26	.30	.42	.76	11.28	9.20	22.08	18.39	26.31	21.75
CLERICAL AND KINDRED,NEC	7.47	8.74	29.82	31.95	14.43	12.65	17.50	14.45	18.36	15.36
SALES WORKERS	.24	.10	3.32	4.07	1.17	1.30	1.59	1.96	1.10	1.42
CRAFTSMEN,FOREMEN AND KINDRED	40.42	34.66	6.47	5.49	29.45	31.80	26.32	32.28	30.24	37.00
CONSTRUCTION CRAFTSMEN	3.82	4.57	.94	.94	2.15	2.59	.14	.18	.06	.07
CARPENTERS	.05	.01	.23	.24	.10	.10	.03	.04	.01	.01
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.02	.03	.00	.01	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
ELECTRICIANS	2.77	3.91	.36	.36	.86	.86	.09	.10	.04	.04
EXCAVATNG,GRADNG MACH OPER	.56	.27	.21	.20	.33	.50	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.09	.07	.13	.12	.09	.10	.02	.03	.01	.01
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.36	.30	.02	.02	.71	.95	.00	.00	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
FOREMEN NEC	8.18	8.24	1.92	1.44	3.21	3.17	.43	.41	.41	.41
METALWKNG CRAFTS EXC MECH	1.69	1.54	.04	.04	.25	.23	.00	.01	.00	.01
MACHINISTS AND RELATED OCC	1.33	1.35	.00	.00	.15	.14	.00	.00	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.02	.03	.02	.02	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.04	.03	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.36	.19	.00	.00	.01	.02	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.00	.00	.02	.03	.02	.03	.01	.02
COMPOSITORS,TYPESETTERS	.00	.00	.00	.00	.01	.02	.01	.01	.00	.01
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.01	.00	.01	.00	.01
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	1.33	1.49	.27	.31	16.20	18.60	24.78	30.79	29.12	35.87
LINEMEN AND SERVICEMEN	1.33	1.49	.24	.30	16.17	18.58	24.77	30.76	29.10	35.84
LOCOMOTIVE ENGINEERS	.00	.00	.02	.01	.02	.02	.02	.01	.02	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.01	.00	.01	.00	.01
MECHANICS AND REPAIRMEN	14.77	12.66	2.40	2.14	5.41	5.21	.55	.59	.42	.51
AIRPLANE MECH AND REPAIRMN	.16	.44	.05	.06	.00	.00	.00	.01	.01	.01
MOTOR VEHICLE MECHANICS	.36	.39	.17	.14	.34	.39	.05	.04	.05	.05
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.01	.01	.02	.01	.02
RADIO AND TV MECHANICS	.10	.13	.02	.01	.07	.06	.11	.10	.04	.05
RR AND CAR SHOP MECHANICS	.00	.00	.16	.15	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	14.14	11.69	2.01	1.77	4.99	4.75	.37	.41	.32	.38

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	PIPELINES		TRANSPORTATION SERVICES		TOTAL COMMUNICATIONS AND PUBLIC UTILITIES		COMMUNICATIONS		TELEPHONE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	10.63	6.16	.89	.62	2.20	1.96	.40	.28	.22	.12
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
CRANE,DERRICK,HOIST MEN	.17	.15	.12	.11	.15	.21	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.17	.08	.43	.23	.54	.40	.10	.05	.09	.04
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
CRAFTSMEN AND KINDRED NEC	10.28	5.93	.34	.29	1.50	1.35	.29	.23	.12	.07
OPERATIVES AND KINDRED WORKERS	18.10	14.28	4.52	3.74	8.98	9.41	1.20	.91	.93	.66
DRIVERS AND DELIVERYMEN	1.74	1.63	1.80	1.69	3.37	3.77	.34	.29	.33	.29
DRIVERS,BUS,TRUCK,TRACTOR	1.69	1.60	1.55	1.50	3.14	3.58	.17	.15	.19	.16
DELIVERYMEN AND ROUTEMEN	.04	.03	.26	.19	.23	.19	.17	.14	.14	.13
TRANSP AND PUB UTIL OPERATVS	.21	.16	.05	.03	.74	.58	.04	.03	.04	.04
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.02	.02	.04	.03	.04	.04
POWER STATION OPERATORS	.14	.10	.00	.00	.71	.56	.00	.00	.00	.00
SAILORS AND DECKHANDS	.07	.06	.05	.03	.01	.01	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	1.31	.82	.00	.00	.40	.38	.01	.02	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	1.31	.82	.00	.00	.40	.38	.01	.02	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.01	.01	.01	.01	.02	.01
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.01	.01	.01	.01	.02	.01
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	14.85	11.67	2.67	2.02	4.47	4.68	.80	.56	.54	.32
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.03	.03	.06	.04	.03	.02	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	14.82	11.64	2.61	1.98	4.42	4.64	.80	.56	.54	.32
SERVICE WORKERS	.74	.40	6.53	5.93	1.54	1.18	1.66	1.18	1.64	1.18
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.26	.16	5.26	4.71	.23	.16	.07	.06	.03	.03
FIREMEN	.11	.09	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.15	.07	3.96	2.86	.22	.14	.07	.05	.03	.02
POLICE,OTH LAW ENFORCE OFF	.00	.00	1.30	1.85	.01	.02	.01	.01	.01	.01
FOOD SERVICE WORKERS	.00	.00	.04	.05	.13	.10	.23	.18	.27	.21
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.04	.05	.05	.04	.08	.07	.09	.08
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.04	.03	.08	.05	.10	.06
WAITERS AND WAITRESSES	.00	.00	.00	.00	.04	.03	.07	.06	.08	.07
OTHER SERVICE WORKERS	.48	.24	1.23	1.17	1.19	.93	1.36	.94	1.33	.86
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.00	.00	.00	.00	.15	.15	.20	.17	.21	.15
JANITORS AND SEXTONS	.14	.07	.13	.10	.64	.52	.68	.52	.71	.54
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.34	.17	1.10	1.07	.39	.26	.48	.26	.41	.17
LABORERS,EXCEPT FARM AND MINE	6.72	7.35	7.74	4.71	8.45	8.14	.73	.38	.76	.39
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	10.58	12.65	50.09	48.14	8.10	10.11	10.61	14.60	6.46	7.20
ENGINEERS,TECHNICAL	1.13	1.24	4.53	4.03	3.35	3.27	4.17	4.43	3.47	2.59
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.04	.04	.06	.05	.01	.01
ENGINEERS,CIVIL	.00	.00	.02	.02	.73	.80	.47	.47	2.30	1.74
ENGINEERS,ELECTRICAL	.72	.71	4.09	3.57	1.62	1.50	2.36	2.52	.51	.35
ENGINEERS,INDUSTRIAL	.27	.33	.09	.09	.13	.13	.19	.20	.02	.03
ENGINEERS,MECHANICAL	.14	.15	.11	.11	.40	.35	.53	.50	.24	.16
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.05	.05	.07	.09	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.03	.02	.03	.03	.05	.00
OTHER ENGINEERS,TECHNICAL	.00	.05	.23	.24	.34	.38	.46	.58	.33	.28
NATURAL SCIENTISTS	.24	.56	.00	.00	.22	.26	.16	.21	.50	.36
CHEMISTS	.00	.00	.00	.00	.10	.13	.06	.07	.14	.10
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.02	.02	.01	.02	.07	.07
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.01	.00	.00	.04	.03
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.05	.05	.04	.04	.19	.13
MATHEMATICIANS	.22	.55	.00	.00	.03	.04	.04	.06	.02	.01
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.01	.01	.00	.00	.01	.01	.01	.01	.03	.03
TECHNICIANS,EXC MEDICAL,DENT	7.69	8.69	10.85	7.53	2.17	3.22	2.66	4.53	1.70	2.99
DRAFTSMEN	.42	.92	.03	.03	.72	.74	1.03	1.13	.21	.32
SURVEYORS	.00	.00	.00	.00	.21	.33	.23	.34	.38	.68
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.39	.37	1.90	1.62	.04	.04	.05	.03	.06	.10
TECHNICIANS,OTHER	6.88	7.40	8.92	5.88	1.20	2.11	1.55	3.03	1.06	1.90
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.03	.03	.03	.03	.04	.05	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.00	.01	.01	.02	.02	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
VETERINARIANS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.17	.17	.01	.00	.01	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.17	.17	.01	.00	.01	.01	.00	.00
SOCIAL SCIENTISTS	.03	.01	.01	.03	.16	.14	.25	.25	.01	.01
ECONOMISTS	.00	.00	.01	.03	.08	.07	.12	.11	.01	.01
STATISTICIANS + ACTUARIES	.03	.01	.00	.00	.08	.07	.12	.12	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.01	.02	.00	.00
OTHER PROF,TECH AND KINDRED	1.50	2.15	34.48	36.36	2.17	3.19	3.12	5.13	.78	1.25
ACCOUNTANTS AND AUDITORS	.21	.21	.71	1.10	.89	1.24	1.23	1.83	.54	.96
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.04	.07	.06	.12	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.02	.02	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.05	.06	6.46	4.68	.04	.02	.05	.03	.02	.01
CLERGYMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.04	.03	.11	.09	.09	.11	.13	.19	.01	.01
EDITORS AND REPORTERS	.03	.03	2.72	2.03	.03	.02	.04	.03	.00	.00
LAWYERS AND JUDGES	.03	.02	.12	.13	.07	.07	.11	.12	.00	.00
LIBRARIANS	.00	.00	.07	.05	.01	.01	.01	.01	.00	.00
PERSONNEL AND LAB REL WRKS	.03	.02	.12	.15	.19	.22	.28	.37	.03	.04
PHOTOGRAPHERS	.03	.01	.63	.43	.02	.01	.03	.02	.02	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	1.07	1.76	23.52	27.70	.78	1.41	1.14	2.39	.16	.22
MANAGERS,OFFICIALS,PROPRIETORS	8.60	8.82	21.39	22.70	5.24	5.28	5.42	5.57	8.35	8.46
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.04	.08	.05	.02	.06	.02	.03	.06
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.00	.00	.07	.07	.19	.21	.26	.30	.17	.21
MANAGERS,OFFICE,PROP. NEC	8.60	8.82	21.28	22.55	4.99	5.04	5.10	5.25	8.15	8.18

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	55.14	46.52	15.58	15.74	18.65	17.89	23.25	22.05	21.88	24.50
STENOS, TYPISTS, SECRETARIES	10.27	9.47	7.56	7.86	3.30	3.33	4.14	4.26	3.42	4.01
OFFICE MACHINE OPERATORS	.70	.71	.42	.55	1.02	1.17	1.35	1.47	1.09	1.79
OTHER CLERICAL, KINDRED WRKRS	44.17	36.34	7.60	7.33	14.33	13.38	17.76	16.32	17.36	18.70
ACCOUNTING CLERKS	.72	.71	.83	.76	1.22	.92	1.49	.96	1.52	1.69
BOOKKEEPERS, HAND	.77	.77	1.13	1.10	.59	.61	.70	.69	.85	1.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.97	.86	.02	.02	.88	.79	1.14	1.09	.99	.85
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.00	.00	.00	.00	.05	.04	.07	.07	.02	.01
TELEPHONE OPERATORS	5.57	3.37	.47	.45	.28	.16	.40	.26	.11	.03
CLERICAL AND KINDRED, NEC	36.14	30.64	5.15	5.01	11.30	10.87	13.96	13.25	13.87	15.12
SALES WORKERS	1.47	2.09	4.83	5.32	.74	.66	1.07	1.11	.08	.06
CRAFTSMEN, FOREMEN AND KINDRED	17.98	25.04	3.77	3.94	32.63	31.32	39.48	39.14	33.49	32.39
CONSTRUCTION CRAFTSMEN	.17	.19	.65	.87	4.19	4.96	5.15	6.34	3.99	4.85
CARPENTERS	.04	.07	.14	.17	.17	.16	.20	.20	.19	.18
BRICKMASONS AND TILE SETRS	.00	.00	.03	.04	.04	.06	.03	.06	.06	.08
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.02	.03	.01	.01	.14	.13
ELECTRICIANS	.09	.10	.38	.52	1.65	1.60	2.43	2.70	.29	.22
EXCAVATNG, GRADNG MACH OPER	.00	.00	.00	.00	.67	.99	.45	.56	1.23	1.78
PAINTERS AND PAPERHANGERS	.03	.02	.10	.14	.17	.18	.22	.26	.11	.10
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.00	.00	1.44	1.88	1.75	2.46	1.98	2.35
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.04	.05	.06	.09	.00	.00
FOREMEN NEC	1.71	1.66	.14	.12	6.05	5.89	6.88	6.87	5.77	5.64
METALWKNG CRAFTS EXC MECH	.01	.01	.00	.00	.50	.45	.63	.61	.37	.38
MACHINISTS AND RELATED OCC	.01	.01	.00	.00	.30	.28	.36	.35	.27	.26
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.03	.05	.03	.04	.08	.10
BOILERMAKERS	.00	.00	.00	.00	.09	.05	.13	.10	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.02	.02	.02	.02	.02	.02
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.00	.00	.03	.03	.04	.05	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.02	.02	.04	.04	.00	.00
PRINTING TRADES CRAFTSMEN	.09	.11	.05	.09	.03	.03	.04	.05	.02	.02
COMPOSITORS, TYPESETTERS	.07	.08	.02	.05	.02	.02	.03	.03	.02	.02
ELECTROTYPERS, STEREOTYPERS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	13.99	21.20	.39	.69	7.45	6.62	11.30	11.51	.40	.59
LINEMEN AND SERVICEMEN	13.99	21.20	.39	.69	7.42	6.59	11.26	11.47	.40	.59
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.03	.02	.04	.03	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
MECHANICS AND REPAIRMEN	1.08	.90	1.15	.98	10.38	9.76	11.83	10.82	14.79	13.96
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.08	.03	.00	.00	.64	.73	.65	.70	.28	.35
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
RADIO AND TV MECHANICS	.21	.25	.58	.43	.03	.02	.04	.02	.02	.04
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.79	.61	.57	.55	9.70	9.01	11.12	10.09	14.48	13.56

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TELEGRAPH		RADIO AND TELEVISION		PUBLIC UTILITIES		ELECTRIC, GAS AND STEAM		WATER AND IRRIGATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.94	.98	1.40	1.19	4.03	3.61	3.64	2.95	8.15	6.95
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.31	.42	.24	.28	.25	.36
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.52	.42	.01	.00	.99	.74	.66	.39	2.15	1.46
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.40	.53	1.37	1.15	2.73	2.45	2.75	2.29	5.76	5.13
OPERATIVES AND KINDRED WORKERS	4.29	3.41	1.84	1.88	16.91	17.77	12.35	11.27	16.47	16.49
DRIVERS AND DELIVERYMEN	1.19	.97	.09	.10	6.46	7.19	2.20	2.14	2.22	2.13
DRIVERS,BUS,TRUCK,TRACTOR	.07	.04	.07	.06	6.17	6.95	1.96	1.89	2.00	1.98
DELIVERYMEN AND ROUTEMEN	1.13	.93	.02	.03	.29	.24	.24	.25	.22	.15
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	1.45	1.12	2.13	1.82	.31	.44
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	1.42	1.10	2.11	1.80	.31	.44
SAILORS AND DECKHANDS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00
SEMISKILLED METALWORKING OCC	.25	.47	.00	.00	.80	.74	1.15	1.20	.16	.18
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.25	.47	.00	.00	.80	.74	1.15	1.20	.16	.18
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	2.85	1.97	1.74	1.78	8.21	8.72	6.86	6.12	13.78	13.74
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.03	.03	.05	.05	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.01	.07	.05	.10	.08	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	2.85	1.97	1.73	1.78	8.11	8.65	6.71	5.99	13.76	13.73
SERVICE WORKERS	1.54	1.27	1.89	1.66	1.42	1.19	1.69	1.54	1.26	.96
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.47	.43	.20	.18	.39	.25	.36	.22	.55	.28
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.47	.43	.17	.13	.37	.23	.34	.20	.55	.28
POLICE,OTH LAW ENFORCE OFF	.00	.00	.03	.04	.02	.03	.02	.02	.00	.00
FOOD SERVICE WORKERS	.04	.01	.04	.02	.02	.01	.03	.02	.00	.00
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.04	.01	.04	.02	.01	.00	.02	.01	.00	.00
COUNTER AND FOUNTAIN WKRS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
WAITERS AND WAITRESSES	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
OTHER SERVICE WORKERS	1.03	.83	1.65	1.46	1.01	.92	1.30	1.29	.71	.68
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.11	.13	.19	.26	.10	.14	.12	.16	.13	.21
JANITORS AND SEXTONS	.42	.31	.54	.42	.60	.52	.80	.76	.39	.35
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.50	.39	.92	.78	.29	.26	.38	.37	.18	.12
LABORERS,EXCEPT FARM AND MINE	.39	.20	.61	.62	16.31	15.77	6.13	4.72	12.01	9.94
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.57	2.06	2.13	2.71	3.06	4.45	1.46	2.14	6.89	8.93
ENGINEERS,TECHNICAL	.81	1.12	.16	.19	.54	.60	.17	.20	.58	.58
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.03	.03	.00	.00	.02	.02	.00	.00	.16	.16
ENGINEERS,CIVIL	.61	.85	.01	.01	.03	.02	.00	.00	.01	.01
ENGINEERS,ELECTRICAL	.04	.04	.01	.01	.03	.04	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.01	.02	.01	.01	.03	.02	.01	.01	.03	.03
ENGINEERS,MECHANICAL	.11	.16	.02	.03	.04	.04	.01	.01	.06	.07
ENGINEERS,METALLURG,ETC	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.01	.01	.00	.00	.02	.02	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.00	.11	.13	.37	.43	.15	.18	.23	.22
NATURAL SCIENTISTS	.21	.29	.06	.08	.23	.28	.00	.00	2.31	2.76
CHEMISTS	.21	.27	.03	.04	.12	.14	.00	.00	1.86	2.34
AGRICULTURAL SCIENTISTS	.00	.01	.01	.00	.02	.00	.00	.00	.14	.07
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.16	.17
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
MATHEMATICIANS	.00	.02	.01	.02	.06	.09	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.01	.01	.01	.01	.00	.00	.14	.17
TECHNICIANS,EXC MEDICAL,DENT	.39	.40	.21	.29	.49	.91	.39	.51	1.15	1.34
DRAFTSMEN	.10	.17	.03	.04	.08	.10	.00	.01	.10	.17
SURVEYORS	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.26	.19	.18	.25	.41	.80	.38	.50	1.04	1.17
MEDICAL,OTHER HEALTH WORKERS	.02	.03	.73	.67	.06	.06	.01	.01	.45	.39
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OPTOMETRISTS	.00	.00	.02	.00	.00	.00	.01	.01	.01	.01
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.68	.63	.02	.02	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.01	.00	.00	.00	.00	.00	.00	.42	.35
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.04
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.01	.01	.03	.03	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.05	.06	.05	.05	.05	.05	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.05	.06	.05	.05	.05	.05	.00	.00
SOCIAL SCIENTISTS	.01	.01	.02	.03	.07	.08	.06	.08	.14	.15
ECONOMISTS	.00	.00	.01	.02	.04	.06	.03	.03	.11	.11
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.02	.02	.02	.01	.03	.04
OTHER SOCIAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.13	.21	.90	1.41	1.43	2.45	.79	1.32	2.26	3.79
ACCOUNTANTS AND AUDITORS	.06	.13	.30	.48	.72	1.14	.44	.64	.92	1.46
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.01	.02	.02	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.18	.19	.03	.03	.00	.00	.02	.01
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.05	.06	.07	.07	.02	.02	.02	.02
EDITORS AND REPORTERS	.00	.00	.02	.02	.01	.01	.00	.00	.03	.03
LAWYERS AND JUDGES	.00	.00	.01	.01	.03	.03	.00	.00	.11	.12
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04
PERSONNEL AND LAB REL WRKS	.00	.00	.09	.14	.08	.13	.03	.04	.10	.14
PHOTOGRAPHERS	.00	.00	.01	.01	.01	.02	.00	.00	.03	.05
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PROF,TECH,KINDRED,NEC	.06	.07	.22	.48	.45	.99	.38	.81	.97	1.90
MANAGERS,OFFICIALS,PROPRIETORS	2.88	2.19	21.95	18.85	21.00	20.53	26.62	26.43	16.46	16.16
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.24	.28	.32	.37	.24	.21	.36	.23
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.02	.03	.18	.17	.95	.49	.88	.62	.41	.16
MANAGERS,OFFICE,PROP. NEC	2.85	2.14	21.52	18.39	20.13	19.66	25.48	25.59	15.69	15.77

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	3.06	3.31	16.74	18.83	23.17	23.67	25.45	25.47	30.67	30.49
STENOS, TYPISTS,SECRETARIES	.73	.69	2.25	2.34	5.33	5.12	3.55	2.73	7.01	5.86
OFFICE MACHINE OPERATORS	.01	.01	.89	1.14	1.87	2.41	2.15	2.87	2.14	2.55
OTHER CLERICAL,KINDRED WRKRS	2.32	2.61	13.60	15.34	15.98	16.14	19.75	19.88	21.52	22.07
ACCOUNTING CLERKS	.24	.23	.81	.82	1.51	1.54	1.18	1.04	.91	.69
BOOKKEEPERS,HAND	.11	.11	2.03	2.11	2.22	2.19	3.53	3.12	.07	.05
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.03	3.93	4.73	.21	.17	.08	.06	.30	.26
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.00	.00	.79	.74	1.99	1.74	2.74	2.21	2.90	2.46
TELEPHONE OPERATORS	.04	.04	.19	.26	.27	.36	.26	.30	.31	.23
CLERICAL AND KINDRED,NEC	1.89	2.19	5.86	6.68	9.78	10.14	11.97	13.14	17.03	18.38
SALES WORKERS	.13	.10	21.48	21.54	19.16	19.40	25.51	25.26	24.01	23.46
CRAFTSMEN,FOREMEN AND KINDRED	11.69	12.60	7.47	8.44	7.24	8.68	5.92	6.44	2.78	2.79
CONSTRUCTION CRAFTSMEN	1.45	1.88	.46	.54	.39	.45	.14	.11	.13	.17
CARPENTERS	.06	.07	.18	.21	.12	.16	.00	.00	.07	.13
BRICKMASONS AND TILE SETRS	.03	.04	.04	.05	.01	.01	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00
ELECTRICIANS	.14	.15	.06	.07	.09	.10	.06	.05	.01	.01
EXCAVATNG,GRADNG MACH OPER	.99	1.37	.02	.02	.04	.05	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.05	.04	.07	.07	.06	.06	.06	.04	.05	.03
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.17	.20	.08	.09	.06	.06	.02	.03	.00	.00
ROOFERS AND SLATERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
FOREMEN NEC	3.73	3.83	.98	1.07	2.06	2.38	2.43	2.64	1.81	1.94
METALWKNG CRAFTS EXC MECH	.18	.16	.05	.05	.10	.10	.05	.08	.01	.01
MACHINISTS AND RELATED OCC	.14	.13	.00	.01	.02	.02	.01	.01	.00	.00
BLKSMITHS,FORGMN,HAMMERMEN	.02	.02	.00	.00	.01	.01	.01	.03	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.03	.03	.04	.04	.00	.01	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.01	.01	.03	.03	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.03	.03	.04	.05	.03	.03	.05	.04
COMPOSITORS,TYPESETTERS	.00	.00	.02	.03	.03	.03	.02	.02	.04	.03
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.50	4.14	4.68	5.57	3.89	4.90	3.13	3.40	.62	.55
AIRPLANE MECH AND REPAIRMN	.00	.00	.02	.03	.04	.06	.00	.00	.01	.01
MOTOR VEHICLE MECHANICS	.79	1.08	2.53	3.05	.36	.37	1.84	1.85	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.34	.49	1.06	1.59	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.24	.26	.05	.05	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.71	3.06	1.55	1.75	2.38	2.83	1.30	1.54	.61	.54

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	SANITARY SERVICES		WHOLESALE AND RETAIL TRADE		WHOLESALE TRADE		MOTOR VEHICLES AND EQUIPMENT		DRUGS AND CHEMICALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	2.82	2.57	1.28	1.18	.76	.80	.14	.18	.17	.09
BAKERS	.03	.00	.17	.16	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.11	.11	.02	.01	.02	.02	.00	.00
CRANE,DERRICK,HOIST MEN	.56	.78	.06	.08	.21	.29	.01	.01	.00	.00
GLAZIERS	.00	.00	.05	.06	.05	.07	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.11	.09	.02	.01	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.07	.07	.05	.04	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.01	.01	.02	.02	.00	.00	.00	.00
INSPECTORS,OTHER	1.32	1.00	.05	.03	.10	.06	.04	.02	.07	.03
UPHOLSTERERS	.00	.00	.07	.08	.01	.01	.00	.01	.00	.00
CRAFTSMEN AND KINDRED NEC	.94	.79	.58	.49	.28	.29	.06	.12	.10	.06
OPERATIVES AND KINDRED WORKERS	30.79	33.63	12.64	12.29	19.11	17.32	11.01	10.72	14.68	14.12
DRIVERS AND DELIVERYMEN	21.62	22.63	4.11	3.80	8.88	7.80	5.34	5.26	6.37	6.82
DRIVERS,BUS,TRUCK,TRACTOR	21.14	22.33	2.52	2.06	5.93	4.21	3.04	2.76	4.53	4.49
DELIVERYMEN AND ROUTEMEN	.48	.30	1.58	1.75	2.95	3.59	2.30	2.50	1.85	2.32
TRANSP AND PUB UTIL OPERATVS	.06	.05	.00	.00	.01	.01	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.04	.04	.00	.00	.01	.01	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.11	.10	.15	.16	.51	.52	.36	.43	.02	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.11	.10	.15	.16	.51	.52	.36	.43	.02	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	9.00	10.65	8.38	8.32	9.72	8.98	5.30	5.02	8.28	7.29
ASBESTOS,INSULATION WRKS	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	2.45	2.49	.04	.03	.10	.08	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	1.13	1.04	.40	.39	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	9.00	10.65	4.78	4.77	9.26	8.55	5.20	4.95	8.26	7.28
SERVICE WORKERS	.68	.58	13.37	13.21	.83	.73	.68	.60	.79	.69
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.38	.31	.11	.09	.15	.09	.08	.05	.06	.02
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.34	.24	.10	.08	.14	.08	.08	.05	.06	.02
POLICE,OTH LAW ENFORCE OFF	.04	.07	.01	.01	.01	.01	.00	.00	.00	.00
FOOD SERVICE WORKERS	.00	.00	9.73	9.84	.04	.04	.06	.05	.09	.11
BARTENDERS	.00	.00	.87	.96	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	2.60	2.66	.02	.02	.02	.01	.07	.09
COUNTER AND FOUNTAIN WKRS	.00	.00	1.03	1.11	.01	.00	.01	.01	.01	.01
WAITERS AND WAITRESSES	.00	.00	5.23	5.12	.01	.01	.03	.03	.01	.02
OTHER SERVICE WORKERS	.29	.26	3.53	3.27	.64	.60	.54	.50	.65	.56
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.03	.03	.21	.28	.10	.16	.02	.02	.12	.16
JANITORS AND SEXTONS	.14	.11	.33	.31	.21	.18	.30	.28	.17	.14
NURSES,PRACTICAL	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.11	.13	2.99	2.68	.33	.26	.22	.21	.36	.26
LABORERS,EXCEPT FARM AND MINE	49.20	45.52	4.21	4.12	6.42	5.23	3.36	2.94	3.80	3.36
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	2.42	3.24	1.00	1.16	3.58	4.69	5.09	7.21	2.65	3.71
ENGINEERS,TECHNICAL	.18	.21	.06	.06	1.02	1.11	1.06	1.15	.40	.42
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.02	.02	.00	.00	.01	.01	.01	.01	.01	.01
ENGINEERS,CIVIL	.00	.00	.00	.00	.10	.00	.01	.01	.05	.05
ENGINEERS,ELECTRICAL	.03	.03	.00	.00	.01	.09	.11	.11	.01	.01
ENGINEERS,INDUSTRIAL	.05	.05	.00	.00	.13	.01	.01	.01	.02	.02
ENGINEERS,MECHANICAL	.08	.08	.03	.03	.00	.08	.09	.10	.04	.04
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.01	.01	.05	.05
OTHER ENGINEERS,TECHNICAL	.00	.03	.03	.03	.77	.92	.82	.90	.23	.24
NATURAL SCIENTISTS	.01	.02	.03	.03	.03	.06	.28	.40	.09	.06
CHEMISTS	.01	.02	.03	.03	.01	.01	.00	.00	.02	.04
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
MATHEMATICIANS	.00	.00	.00	.00	.02	.05	.27	.37	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.03	.01	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.19	.14	.23	.13	1.21	1.51	1.45	1.99	.35	.38
DRAFTSMEN	.00	.00	.01	.02	.02	.02	.15	.15	.12	.16
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.14	.09	.21	.12	1.19	1.49	1.30	1.83	.23	.21
MEDICAL,OTHER HEALTH WORKERS	.03	.02	.05	.07	.01	.01	.12	.12	.01	.01
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.03	.02	.00	.00	.01	.01	.00	.00	.00	.01
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.05	.07	.00	.00	.12	.12	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.00	.00	.00	.00	.05	.06	.14	.15	.02	.02
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.00	.00	.00	.00	.05	.06	.14	.15	.02	.02
SOCIAL SCIENTISTS	.00	.00	.02	.02	.09	.12	.05	.07	.09	.10
ECONOMISTS	.00	.00	.01	.01	.06	.10	.04	.05	.05	.07
STATISTICIANS + ACTUARIES	.00	.00	.01	.01	.02	.02	.02	.02	.03	.03
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	2.01	2.85	.61	.85	1.18	1.80	1.99	3.33	1.49	2.73
ACCOUNTANTS AND AUDITORS	.56	.93	.36	.39	.85	1.25	.82	1.27	.83	1.39
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.02	.02	.01	.02	.04	.05	.02	.02
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.15	.16	.03	.03	.00	.00	.04	.05	.03	.01
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.61	.37	.00	.00	.02	.02	.10	.12	.05	.08
EDITORS AND REPORTERS	.00	.00	.01	.01	.04	.04	.00	.00	.01	.01
LAWYERS AND JUDGES	.00	.00	.01	.01	.01	.00	.04	.03	.04	.05
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.00	.00	.04	.05	.07	.12	.11	.13	.11	.19
PHOTOGRAPHERS	.04	.07	.00	.00	.02	.03	.02	.02	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.65	1.32	.14	.34	.16	.32	.81	1.66	.40	.96
MANAGERS,OFFICIALS,PROPRIETORS	23.70	23.05	15.32	15.54	22.54	22.59	20.93	19.56	21.90	21.07
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.42	.44	.06	.03	.52	.49	.33	.41	.34	.48
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.01	.01	.00	.00	.01	.01	.01	.01
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.46	.43	.09	.04	1.38	1.43	.45	.50	.33	.30
MANAGERS,OFFICE,PROP. NEC	22.81	22.18	15.16	15.46	20.64	20.67	19.94	18.64	21.22	20.28

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL ND KINDRED WORKERS	28.95	28.51	15.19	15.50	30.58	29.97	23.81	23.68	21.05	22.26
STENOS, TYPISTS, SECRETARIES	5.96	5.05	2.33	2.10	7.44	6.52	7.83	8.26	4.54	4.13
OFFICE MACHINE OPERATORS	1.82	2.31	1.70	1.98	1.87	2.20	1.43	2.34	2.06	2.58
OTHER CLERICAL, KINDRED WRKRS	21.17	21.16	11.16	11.42	21.27	20.25	14.54	13.08	14.45	15.55
ACCOUNTING CLERKS	1.57	1.64	1.45	1.48	1.09	.81	1.75	2.07	1.71	1.76
BOOKKEEPERS, HAND	3.17	3.39	2.17	2.24	3.00	3.00	1.23	1.21	2.42	2.47
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.18	.18	.34	.34	.23	.14	.15	.11	.21	.17
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	4.27	4.27	1.23	1.06	3.58	3.02	1.81	1.44	1.27	1.13
TELEPHONE OPERATORS	.24	.25	.16	.23	.42	.51	.31	.41	.25	.36
CLERICAL AND KINDRED, NEC	11.73	11.43	5.80	6.07	13.03	12.76	9.29	7.83	8.58	9.67
SALES WORKERS	27.39	28.63	14.39	14.96	24.33	25.66	23.16	21.23	13.90	14.04
CRAFTSMEN, FOREMEN AND KINDRED	2.37	2.38	3.49	3.83	5.82	5.70	16.22	19.40	6.03	7.10
CONSTRUCTION CRAFTSMEN	.00	.00	.10	.11	.70	.67	.48	.48	.50	.67
CARPENTERS	.00	.00	.04	.04	.06	.08	.07	.06	.24	.37
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
ELECTRICIANS	.00	.00	.02	.01	.39	.42	.07	.06	.05	.06
EXCAVATNG, GRADNG MACH OPER	.00	.00	.01	.02	.00	.00	.08	.09	.07	.07
PAINTERS AND PAPERHANGERS	.00	.00	.02	.02	.04	.02	.12	.13	.05	.06
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.01	.02	.19	.12	.12	.13	.03	.04
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.01	.04	.00	.00	.01	.01
FOREMEN NEC	1.69	1.91	2.38	2.93	1.59	1.72	1.55	1.67	2.36	2.97
METALWRNG CRAFTS EXC MECH	.00	.00	.05	.05	.16	.16	.13	.12	.11	.11
MACHINISTS AND RELATED OCC	.00	.00	.04	.04	.01	.01	.02	.03	.01	.01
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
BOILERMAKERS	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.04	.06	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.01	.01	.07	.06	.09	.07	.05	.05
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.01	.00	.01	.01	.00	.01
PRINTING TRADES CRAFTSMEN	.00	.00	.04	.05	.00	.00	.06	.09	.05	.04
COMPOSITORS, TYPESETTERS	.00	.00	.03	.03	.00	.00	.05	.09	.03	.02
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.01	.01	.00	.00	.00	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.16	.14	.74	.58	3.07	2.82	12.95	15.96	1.73	1.92
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.05	.11	.16	.20	.00	.00
MOTOR VEHICLE MECHANICS	.00	.00	.13	.12	.02	.02	.21	.21	.41	.44
OFFICE MACHINE MECHANICS	.01	.02	.00	.00	.05	.11	5.47	7.19	.02	.04
RADIO AND TV MECHANICS	.00	.00	.01	.01	.37	.32	.01	.01	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.14	.12	.60	.45	2.58	2.27	7.10	8.34	1.31	1.43

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	DRY GOODS AND APPAREL		GROCERIES AND RELATED PRODUCTS		ELECTRICAL HARDWARE AND PLUMBING		MACHINERY AND EQUIPMENT		MISCELLANEOUS WHOLESALE TRADE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.52	.33	.18	.11	.26	.28	1.06	1.08	1.28	1.40
BAKERS	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.01	.01	.02	.02	.03	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.03	.04	.08	.08	.53	.78
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.13	.20
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.05	.04
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.01	.00	.00	.00	.00	.00	.26	.17	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.06	.05
INSPECTORS,OTHER	.17	.10	.05	.02	.02	.00	.09	.08	.17	.11
UPHOLSTERERS	.01	.01	.00	.00	.00	.00	.01	.01	.02	.01
CRAFTSMEN AND KINDRED NEC	.33	.23	.10	.06	.20	.22	.60	.72	.29	.22
OPERATIVES AND KINDRED WORKERS	12.76	12.19	40.20	40.70	8.47	8.46	7.37	6.25	23.99	22.38
DRIVERS AND DELIVERYMEN	1.67	1.82	15.84	15.36	4.65	5.21	3.51	3.43	12.48	10.44
DRIVERS,BUS,TRUCK,TRACTOR	.82	.91	9.57	7.52	3.86	4.43	2.17	1.81	8.68	5.19
DELIVERYMEN AND ROUTEMEN	.85	.91	6.27	7.84	.79	.78	1.35	1.62	3.80	5.26
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.01	.00	.00	.02	.02	.02	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.01	.01	.00	.00	.02	.02	.01	.01
SEMISKILLED METALWORKING OCC	.00	.00	.02	.01	.16	.13	.85	.86	.81	.82
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.02	.01	.16	.13	.85	.86	.81	.82
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	11.09	10.37	24.33	25.32	3.65	3.12	2.99	1.95	10.67	11.09
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.02	.02	.03	.03
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.00	.00	.00	.07	.06
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.02	.06	.01	.01	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	2.73	3.16	.00	.00	.00	.00	.01	.01
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	11.07	10.30	21.59	22.15	3.65	3.12	2.97	1.92	10.55	10.99
SERVICE WORKERS	1.06	.84	.86	.68	.59	.49	.73	.63	.98	.94
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.16	.18	.12	.11	.05	.04	.12	.13	.24	.10
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.13	.11	.12	.11	.05	.04	.10	.07	.23	.10
POLICE,OTH LAW ENFORCE OFF	.03	.06	.00	.00	.00	.00	.02	.05	.00	.00
FOOD SERVICE WORKERS	.02	.02	.12	.11	.01	.01	.02	.02	.03	.02
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.07	.06	.01	.01	.01	.01	.01	.01
COUNTER AND FOUNTAIN WKRS	.00	.00	.02	.02	.00	.00	.00	.00	.01	.00
WAITERS AND WAITRESSES	.02	.02	.02	.03	.00	.00	.01	.01	.01	.01
OTHER SERVICE WORKERS	.88	.65	.62	.47	.52	.44	.59	.49	.71	.81
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.[illegible]	.02	.08	.13	.12	.17	.09	.14	.13	.24
JANITORS AND SEXTONS	.10	.08	.24	.22	.16	.12	.26	.22	.20	.15
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.76	.56	.30	.12	.25	.15	.23	.12	.39	.42
LABORERS,EXCEPT FARM AND MINE	1.34	1.15	9.55	7.62	4.08	3.46	2.69	2.03	9.71	8.49
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.83	2.13	.68	.88	1.44	1.94	.73	1.02	1.55	2.06
ENGINEERS,TECHNICAL	.04	.04	.18	.21	.05	.06	.00	.00	.06	.07
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.01	.01	.01	.01	.02	.03	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.01	.01	.04	.04	.01	.01	.00	.00	.03	.03
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.02	.02	.12	.15	.01	.02	.00	.00	.01	.02
NATURAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.06	.08	.16	.12	.04	.04	.13	.14	.02	.02
DRAFTSMEN	.02	.02	.11	.09	.02	.02	.02	.02	.02	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.04	.06	.06	.03	.02	.02	.12	.12	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.94	.87	.00	.00	.05	.06	.00	.00	.06	.07
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.01	.02	.00	.00	.01	.02	.00	.00	.01	.02
NURSES,PROFESSIONAL	.01	.01	.00	.00	.02	.02	.00	.00	.02	.03
OPTOMETRISTS	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.90	.84	.00	.00	.01	.01	.00	.00	.01	.01
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.05	.06	.00	.00	.08	.07	.02	.01	.09	.08
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.05	.06	.00	.00	.08	.07	.02	.01	.09	.08
SOCIAL SCIENTISTS	.01	.01	.00	.00	.04	.04	.00	.00	.04	.04
ECONOMISTS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.03	.03	.00	.00	.03	.03
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.73	1.06	.34	.55	1.18	1.67	.57	.87	1.27	1.78
ACCOUNTANTS AND AUDITORS	.17	.26	.25	.39	.22	.32	.02	.04	.25	.36
AIRPLANE PILOTS,NAVIGATORS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.24	.25	.01	.01	.17	.14	.02	.02	.20	.16
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.05	.06	.02	.01	.06	.07	.00	.00	.07	.08
EDITORS AND REPORTERS	.02	.02	.00	.00	.09	.10	.00	.00	.10	.12
LAWYERS AND JUDGES	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.09	.14	.01	.01	.31	.45	.41	.62	.29	.43
PHOTOGRAPHERS	.01	.01	.00	.00	.02	.02	.00	.00	.03	.02
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.15	.30	.04	.11	.29	.56	.09	.18	.32	.61
MANAGERS,OFFICIALS,PROPRIETORS	22.27	18.28	25.13	21.47	17.69	13.50	19.11	16.73	17.46	13.08
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.22	.26	.30	.35	.44	.49	.18	.32	.48	.51
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.06	.06	.25	.24	.07	.06	.04	.04	.07	.07
MANAGERS,OFFICE,PROP. NEC	21.98	17.96	24.58	20.87	17.18	12.95	18.90	16.36	16.91	12.51

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	14.63	17.18	15.72	17.19	21.39	24.03	15.91	18.87	22.25	24.70
STENOS, TYPISTS, SECRETARIES	1.24	1.39	2.54	3.07	1.86	1.84	1.08	1.41	1.99	1.90
OFFICE MACHINE OPERATORS	.57	.71	.58	.62	1.09	1.29	.26	.30	1.22	1.42
OTHER CLERICAL, KINDRED WRKRS	12.82	15.08	12.61	13.49	18.43	20.89	14.58	17.15	19.04	21.38
ACCOUNTING CLERKS	.58	.57	.68	.70	.84	.81	1.13	.81	.79	.59
BOOKKEEPERS, HAND	1.97	2.08	6.17	6.43	.98	.81	.00	.00	1.13	.92
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	5.15	6.28	.42	.60	4.05	4.94	6.01	7.45	3.74	4.62
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.39	.46	.51	.52	1.05	1.04	.42	.51	1.14	1.11
TELEPHONE OPERATORS	.16	.22	.09	.11	.48	.70	.03	.03	.55	.78
CLERICAL AND KINDRED, NEC	4.58	5.51	4.73	5.13	11.04	12.79	6.99	8.35	11.67	13.37
SALES WORKERS	22.24	22.27	19.28	17.36	43.10	44.40	49.89	48.25	42.04	43.90
CRAFTSMEN, FOREMEN AND KINDRED	7.55	8.36	17.10	19.85	4.41	4.58	1.92	1.86	4.81	4.93
CONSTRUCTION CRAFTSMEN	.49	.57	5.17	6.92	.36	.47	.19	.22	.39	.50
CARPENTERS	.20	.23	1.94	2.49	.17	.24	.11	.12	.18	.25
BRICKMASONS AND TILE SETRS	.05	.07	.55	.96	.00	.00	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.01	.00	.09	.10	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.05	.06	.23	.18	.06	.10	.00	.00	.07	.11
EXCAVATNG, GRADNG MACH OPER	.01	.02	.18	.29	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.07	.08	.39	.40	.12	.12	.07	.10	.12	.13
PLASTERERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.08	.09	1.45	2.09	.01	.01	.00	.00	.01	.01
ROOFERS AND SLATERS	.02	.02	.34	.42	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.62	.63	2.02	2.14	1.04	.98	.86	.76	1.06	1.01
METALWKNG CRAFTS EXC MECH	.03	.03	.46	.48	.00	.00	.00	.00	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.02	.02	.40	.42		.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00		.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.03	.00	.00	.06	.09	.02	.02	.07	.10
COMPOSITORS, TYPESETTERS	.02	.03	.00	.00	.05	.08	.02	.02	.06	.09
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	4.94	5.80	7.48	8.04	1.93	2.33	.16	.19	2.21	2.61
AIRPLANE MECH AND REPAIRMN	.01	.02	.01	.02	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	3.24	3.96	.87	.83	.15	.18	.00	.00	.17	.21
OFFICE MACHINE MECHANICS	.11	.11	.01	.01	.01	.01	.00	.00	.01	.01
RADIO AND TV MECHANICS	.30	.33	.10	.10	.27	.41	.02	.05	.31	.45
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.28	1.39	6.48	7.08	1.51	1.73	.14	.15	1.72	1.94

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	TOTAL RETAIL TRADE		LUMBER BUILDING AND FARM EQUIPMENT		GENERAL MERCHANDISING		LIMITED PRICE STORES		OTHER GENERAL MERCHANDISING	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.45	1.30	1.95	2.26	1.02	.71	.69	.67	1.07	.72
BAKERS	.22	.21	.00	.00	.08	.07	.17	.13	.07	.06
CABINETMAKERS	.14	.14	.20	.17	.04	.02	.00	.00	.04	.02
CRANE,DERRICK,HOIST MEN	.01	.01	.11	.15	.00	.00	.00	.00	.00	.00
GLAZIERS	.05	.06	1.05	1.38	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.14	.12	.01	.01	.03	.02	.00	.00	.03	.02
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.01	.01	.23	.24	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.03	.02	.01	.01	.07	.03	.00	.00	.00	.00
UPHOLSTERERS	.09	.10	.00	.00	.04	.04	.00	.00	.08	.04
CRAFTSMEN AND KINDRED NEC	.68	.56	.33	.30	.76	.54	.52	.53	.80	.54
OPERATIVES AND KINDRED WORKERS	10.52	10.59	13.88	15.35	4.60	4.50	1.07	1.19	5.15	4.93
DRIVERS AND DELIVERYMEN	2.54	2.45	8.95	9.59	1.05	1.09	.11	.14	1.20	1.22
DRIVERS,BUS,TRUCK,TRACTOR	1.41	1.32	7.82	8.30	.46	.45	.05	.07	.52	.50
DELIVERYMEN AND ROUTEMEN	1.13	1.12	1.12	1.29	.60	.64	.06	.08	.68	.71
TRANSP AND PUB UTIL OPERATVS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.04	.04	.37	.52	.00	.00	.00	.00	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.04	.04	.37	.52	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	7.94	8.09	4.55	5.23	3.54	3.41	.96	1.04	3.94	3.72
ASBESTOS,INSULATION WRKS	.01	.00	.08	.07	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	3.24	3.33	.04	.04	.13	.14	.01	.01	.15	.15
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.00	.00	.01	.01	.00	.00	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	1.36	1.27	.00	.00	.08	.08	.02	.01	.09	.09
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	3.31	3.48	4.43	5.11	3.32	3.18	.94	1.02	3.69	3.47
SERVICE WORKERS	17.48	17.45	.81	.76	4.85	4.26	7.92	8.45	4.36	3.71
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.10	.09	.18	.17	.24	.21	.07	.06	.27	.23
FIREMEN	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.08	.08	.18	.17	.18	.16	.05	.05	.20	.18
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.06	.05	.01	.01	.07	.05
FOOD SERVICE WORKERS	12.90	13.17	.02	.02	1.73	1.90	5.56	6.25	1.13	1.33
BARTENDERS	1.15	1.29	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	3.45	3.55	.01	.01	.21	.17	.59	.55	.15	.12
COUNTER AND FOUNTAIN WKRS	1.30	1.49	.01	.01	.48	.63	1.52	1.89	.31	.46
WAITERS AND WAITRESSES	6.94	6.85	.01	.01	1.04	1.10	3.46	3.82	.66	.74
OTHER SERVICE WORKERS	4.48	4.18	.60	.57	2.88	2.15	2.29	2.14	2.97	2.16
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
CHARWOMEN AND CLEANERS	.25	.32	.14	.15	.13	.13	.12	.17	.13	.12
JANITORS AND SEXTONS	.36	.35	.30	.28	.34	.24	.33	.30	.35	.23
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	3.87	3.51	.16	.13	2.39	1.77	1.84	1.66	2.48	1.79
LABORERS,EXCEPT FARM AND MINE	3.48	3.75	7.39	7.15	2.53	2.79	3.44	3.64	2.39	2.68
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.37	.67	.44	.67	.67	.99	.12	.19	.61	.66
ENGINEERS,TECHNICAL	.05	.05	.01	.01	.02	.02	.00	.00	.00	.00
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.03	.04	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.01	.01	.01	.01	.02	.02	.00	.00	.00	.00
NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.02	.01	.05	.05	.08	.07	.01	.01	.00	.00
DRAFTSMEN	.01	.01	.02	.02	.03	.03	.01	.01	.00	.00
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.01	.00	.03	.03	.05	.04	.00	.00	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
SOCIAL SCIENTISTS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
ECONOMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.29	.58	.36	.59	.55	.88	.10	.16	.57	.60
ACCOUNTANTS AND AUDITORS	.15	.28	.27	.41	.43	.63	.05	.09	.12	.12
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.02	.05	.03	.09	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	.01	.02	.02	.03	.00	.00	.12	.13
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.13	.08
EDITORS AND REPORTERS	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00
LAWYERS AND JUDGES	.01	.02	.00	.00	.00	.00	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.04	.08	.02	.03	.02	.03	.03	.04	.07	.11
PHOTOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.07	.19	.04	.07	.04	.09	.02	.03	.13	.16
MANAGERS,OFFICIALS,PROPRIETORS	23.07	18.37	26.92	22.53	23.22	18.78	31.94	28.12	24.58	20.21
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.24	.35	.39	.54	.05	.08	.51	.63
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.04	.03	.05	.05	.08	.07	.01	.01	.02	.00
MANAGERS,OFFICE,PROP. NEC	23.02	18.33	26.62	22.13	22.75	18.17	31.88	28.03	24.05	19.57

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	26.09	32.95	7.89	8.62	11.46	11.81	3.05	3.87	15.26	17.45
STENOS, TYPISTS, SECRETARIES	.51	.81	1.09	1.14	1.70	1.65	.26	.39	1.10	1.27
OFFICE MACHINE OPERATORS	.59	.92	.40	.48	.61	.66	.12	.20	1.01	1.25
OTHER CLERICAL, KINDRED WRKRS	24.99	31.22	6.40	7.01	9.15	9.50	2.67	3.29	13.15	14.93
ACCOUNTING CLERKS	.47	.51	.59	.59	.94	.86	.13	.19	.85	.94
BOOKKEEPERS, HAND	.65	.72	3.31	3.71	4.40	4.62	1.83	2.34	2.36	2.59
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	19.42	23.87	.30	.31	.40	.41	.16	.17	4.10	4.04
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.22	.26	.09	.10	.16	.16	.00	.00	.60	.57
TELEPHONE OPERATORS	.03	.03	.13	.15	.22	.24	.01	.01	.22	.35
CLERICAL AND KINDRED, NEC	4.21	5.83	1.98	2.15	3.04	3.20	.55	.58	5.02	6.43
SALES WORKERS	20.70	16.91	11.66	11.38	19.80	18.69	.61	.48	42.95	46.06
CRAFTSMEN, FOREMEN AND KINDRED	1.92	1.95	23.00	26.47	32.39	35.86	10.27	12.45	3.52	2.83
CONSTRUCTION CRAFTSMEN	.13	.17	.10	.11	.11	.14	.07	.08	.06	.10
CARPENTERS	.06	.07	.07	.08	.09	.11	.04	.04	.02	.02
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.02	.03	.01	.02	.02	.03	.00	.00	.00	.00
EXCAVATNG, GRADNG MACH OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.04	.06	.01	.01	.00	.00	.02	.02	.04	.07
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.55	.59	.74	.86	1.18	1.32	.15	.18	.38	.36
METALWKNG CRAFTS EXC MECH	.00	.00	.02	.02	.03	.03	.00	.00	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.01	.01	.02	.02	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.02	.00	.00	.00	.00	.00	.00	.01	.01
COMPOSITORS, TYPESETTERS	.01	.02	.00	.00	.00	.00	.00	.00	.01	.01
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.40	.54	21.92	25.21	30.74	33.97	9.96	12.13	.20	.20
AIRPLANE MECH AND REPAIRMN	.00	.00	.07	.13	.13	.22	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.05	.07	21.14	24.29	29.47	32.47	9.85	12.10	.01	.01
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.03	.03	.05	.05	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.35	.47	.67	.75	1.09	1.22	.11	.05	.19	.19

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FOOD AND DAIRY STORES		AUTO DEALERS AND GAS STATIONS		AUTO AND ACCESSORY DEALERS		GAS STATIONS		APPAREL AND ACCESSORIES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.83	.64	.22	.26	.33	.41	.08	.04	2.86	2.16
BAKERS	.72	.45	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.03	.03	.01	.01	.02	.01	.01	.01	.05	.04
UPHOLSTERERS	.00	.00	.10	.09	.16	.15	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.08	.16	.11	.16	.14	.24	.07	.03	2.80	2.11
OPERATIVES AND KINDRED WORKERS	17.52	17.17	25.24	25.13	5.88	6.66	51.48	52.67	8.76	8.38
DRIVERS AND DELIVERYMEN	2.84	2.37	1.35	1.50	1.47	1.58	1.19	1.39	.25	.27
DRIVERS,BUS,TRUCK,TRACTOR	.92	.91	.88	.95	.83	.90	.94	1.02	.09	.11
DELIVERYMEN AND ROUTEMEN	1.92	1.46	.47	.55	.64	.68	.25	.37	.16	.16
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.08	.09	.12	.14	.01	.02	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.07	.09	.12	.13	.01	.02	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	14.68	14.80	23.81	23.54	4.29	4.94	50.27	51.27	8.51	8.11
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.05	.05	21.34	20.44	.94	.97	49.00	49.48	.03	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.02	.02	.00	.00	.00	.00	.00	.00	.02	.01
MEAT CUTTERS,EXC MEATPCKNG	8.33	7.60	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	6.28	7.12	2.46	3.09	3.34	3.96	1.27	1.79	8.46	8.07
SERVICE WORKERS	1.77	1.90	.94	.84	1.31	1.15	.44	.36	2.66	2.61
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.06	.06	.04	.03	.06	.04	.01	.01	.06	.06
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.05	.05	.04	.03	.06	.04	.01	.01	.05	.03
POLICE,OTH LAW ENFORCE OFF	.01	.01	.00	.00	.00	.00	.00	.00	.01	.03
FOOD SERVICE WORKERS	.86	.93	.03	.02	.01	.01	.06	.04	.04	.03
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.21	.21	.01	.00	.00	.00	.01	.01	.01	.01
COUNTER AND FOUNTAIN WKRS	.25	.34	.01	.01	.00	.00	.01	.01	.00	.00
WAITERS AND WAITRESSES	.40	.38	.02	.02	.01	.01	.03	.02	.03	.02
OTHER SERVICE WORKERS	.85	.92	.87	.79	1.23	1.11	.37	.31	2.56	2.52
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.14	.22	.09	.11	.12	.12	.05	.09	.26	.36
JANITORS AND SEXTONS	.20	.25	.22	.21	.36	.32	.03	.03	.49	.59
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.50	.45	.56	.47	.75	.67	.30	.19	1.81	1.57
LABORERS,EXCEPT FARM AND MINE	8.57	10.06	3.92	4.37	5.28	6.06	2.09	1.85	1.66	1.81
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.86	2.73	1.02	1.31	8.55	8.84	26.29	23.61	1.24	1.36
ENGINEERS,TECHNICAL	.12	.13	.01	.00	.05	.04	.00	.00	.06	.07
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.03	.03	.00	.00	.01	.01	.00	.00	.01	.01
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.07	.08	.00	.00	.04	.04	.00	.00	.05	.06
NATURAL SCIENTISTS	.00	.00	.00	.00	.04	.05	.03	.02	.05	.06
CHEMISTS	.00	.00	.00	.00	.01	.01	.03	.02	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.03	.04	.00	.00	.04	.06
TECHNICIANS,EXC MEDICAL,DENT	.41	.96	.01	.01	.10	.11	.13	.15	.09	.09
DRAFTSMEN	.01	.02	.00	.00	.02	.02	.03	.03	.02	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.40	.94	.01	.00	.08	.09	.10	.12	.07	.07
MEDICAL,OTHER HEALTH WORKERS	.01	.01	.05	.06	7.47	7.21	24.89	21.27	.29	.08
DENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
DIETITIANS,NUTRITIONISTS	.00	.00	.05	.06	.00	.01	.01	.02	.00	.00
NURSES,PROFESSIONAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.16	.00	.00	.00	.23	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.01	.01	.00	.00	7.25	7.12	24.81	21.13	.01	.01
PHYSICIANS AND SURGEONS	.00	.00	.00	.00	.02	.03	.07	.10	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.02	.02	.00	.00	.03	.04
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01
TEACHERS	.17	.11	.07	.14	.03	.03	.00	.00	.04	.04
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.17	.11	.07	.14	.03	.03	.00	.00	.04	.04
SOCIAL SCIENTISTS	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00
ECONOMISTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	1.12	1.48	.88	1.10	.86	1.41	1.24	2.17	.70	1.02
ACCOUNTANTS AND AUDITORS	.26	.38	.05	.09	.13	.19	.09	.13	.15	.22
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.43	.40	.74	.82	.08	.08	.07	.09	.08	.08
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.33	.49	.00	.00	.10	.15	.00	.00	.14	.23
EDITORS AND REPORTERS	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00
LAWYERS AND JUDGES	.01	.01	.00	.00	.01	.00	.00	.00	.01	.01
LIBRARIANS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
PERSONNEL AND LAB REL WRKS	.00	.00	.04	.08	.03	.03	.04	.05	.03	.02
PHOTOGRAPHERS	.00	.00	.00	.00	.07	.07	.13	.14	.04	.04
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF,TECH,KINDRED,NEC	.10	.19	.04	.10	.43	.87	.90	1.76	.23	.41
MANAGERS,OFFICIALS,PROPRIETORS	22.35	17.00	21.11	19.33	22.55	17.32	8.98	7.86	28.15	22.11
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.44	.49	.00	.00	.23	.24	.02	.02	.32	.36
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.01	.01	.05	.04	.11	.12	.01	.01	.15	.17
MANAGERS,OFFICE,PROP. NEC	21.89	16.51	21.07	19.29	22.21	16.96	8.95	7.83	27.68	21.59

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	16.44	18.90	4.67	5.69	13.58	15.98	12.29	15.17	14.11	16.39
STENOS, TYPISTS, SECRETARIES	2.91	3.46	.25	.38	2.06	2.41	.64	.85	2.65	3.20
OFFICE MACHINE OPERATORS	.53	.60	.10	.15	.53	.59	.25	.38	.64	.69
OTHER CLERICAL, KINDRED WRKRS	13.00	14.84	4.32	5.16	10.98	12.98	11.40	13.94	10.81	12.49
ACCOUNTING CLERKS	.81	.99	.26	.33	.5[illegible]	.69	.26	.35	.73	.86
BOOKKEEPERS, HAND	5.56	6.12	.35	.46	3.39	3.94	2.37	2.83	3.81	4.50
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.41	.46	3.16	3.75	1.93	2.43	4.95	5.58	.69	.83
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.56	.61	.03	.05	.38	.37	.14	.14	.45	.49
TELEPHONE OPERATORS	.20	.32	.03	.03	.06	.04	.04	.04	.07	.04
CLERICAL AND KINDRED, NEC	5.47	6.34	.49	.54	4.63	5.51	3.64	5.02	5.04	5.76
SALES WORKERS	24.79	25.24	1.24	1.49	31.19	3[illegible].22	31.63	33.01	31.01	34.84
CRAFTSMEN, FOREMEN AND KINDRED	19.79	21.37	.98	1.22	5.68	6.80	.63	.65	9.17	9.91
CONSTRUCTION CRAFTSMEN	1.67	2.25	.11	.12	.20	.21	.07	.09	.24	.26
CARPENTERS	.60	.89	.05	.05	.06	.07	.05	.07	.07	.07
BRICKMASONS AND TILE SETRS	.31	.51	.01	.01	.03	.03	.00	.00	.04	.04
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.54	.59	.00	.00	.01	.01	.00	.00	.01	.01
EXCAVATNG, GRADNG MACH OPER	.00	.01	.00	.00	.02	.02	.00	.00	.03	.03
PAINTERS AND PAPERHANGERS	.17	.22	.04	.05	.04	.04	.01	.01	.05	.05
PLASTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.05	.04	.00	.00	.03	.05	.01	.02	.05	.06
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.58	.60	.09	.09	.42	.35	.22	.20	.50	.43
METALWKNG CRAFTS EXC MECH	.03	.03	.00	.00	.03	.03	.00	.00	.04	.04
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.03	.03	.00	.00	.01	.02	.00	.00	.02	.02
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.00	.00	.00	.00	.07	.06	.01	.02	.10	.08
COMPOSITORS, TYPESETTERS	.00	.00	.00	.00	.05	.05	.01	.02	.06	.06
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.02	.01	.00	.00	.03	.02
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	10.16	10.50	.35	.43	2.78	3.15	.20	.19	3.84	4.64
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.02	.01	.01	.01	.12	.11	.05	.03	.15	.15
OFFICE MACHINE MECHANICS	.01	.01	.00	.00	.86	.92	.00	.00	1.22	1.39
RADIO AND TV MECHANICS	5.50	5.64	.00	.00	.02	.02	.00	.00	.03	.03
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	4.63	4.84	.34	.42	1.77	2.09	.15	.16	2.44	3.07

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FURNITURE, FURNISHINGS AND APPLIANCES		EATING AND DRINKING PLACES		MISCELLANEOUS RETAIL STORES		DRUG STORES		OTHER RETAIL STORES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	7.31	7.96	.44	.57	3.19	3.01	.12	.15	4.46	4.46
BAKERS	.00	.00	.42	.56	.01	.01	.02	.02	.00	.00
CABINETMAKERS	2.68	2.94	.00	.00	.07	.06	.00	.00	.10	.09
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.01	.00	.00	.00	.02	.01
GLAZIERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	1.08	1.01	.00	.00	1.52	1.52
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.58	.66	.00	.00	.82	.99
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.01	.00	.00	.00	.02	.01	.00	.00	.03	.02
UPHOLSTERERS	1.57	1.98	.00	.00	.01	.01	.00	.00	.01	.01
CRAFTSMEN AND KINDRED NEC	3.03	3.02	.02	.02	1.41	1.25	.09	.13	1.96	1.82
OPERATIVES AND KINDRED WORKERS	10.56	11.45	1.11	1.37	9.35	9.07	4.61	4.56	11.30	11.36
DRIVERS AND DELIVERYMEN	5.62	5.43	.49	.67	7.06	7.06	3.84	3.88	8.38	8.68
DRIVERS,BUS,TRUCK,TRACTOR	2.76	2.57	.18	.23	3.93	3.70	.19	.18	5.48	5.49
DELIVERYMEN AND ROUTEMEN	2.86	2.86	.31	.44	3.12	3.36	3.65	3.70	2.90	3.19
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.02	.01	.00	.00	.04	.05	.00	.00	.05	.07
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.02	.01	.00	.00	.04	.05	.00	.00	.05	.07
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.07	.08	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	4.85	5.93	.62	.70	2.24	1.96	.76	.68	2.85	2.60
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.03	.04	.10	.14	.09	.08	.17	.15	.05	.05
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.10	.12	.02	.03	.01	.02	.03	.04
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	4.80	5.88	.39	.43	2.13	1.83	.57	.50	2.77	2.50
SERVICE WORKERS	1.61	1.24	69.54	69.24	4.97	5.09	13.57	12.75	1.42	1.20
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.03	.04	.07	.08	.07	.05	.02	.01	.08	.07
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.03	.04	.07	.07	.07	.05	.02	.01	.08	.06
POLICE,OTH LAW ENFORCE OFF	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOD SERVICE WORKERS	.01	.00	54.68	55.10	3.60	3.79	11.13	10.34	.49	.46
BARTENDERS	.00	.00	5.15	5.73	.21	.17	.00	.00	.29	.25
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	15.26	15.56	.27	.36	.88	1.03	.02	.01
COUNTER AND FOUNTAIN WKRS	.00	.00	4.49	4.82	1.98	2.00	6.60	5.74	.07	.10
WAITERS AND WAITRESSES	.00	.00	29.79	28.99	1.14	1.26	3.64	3.56	.11	.10
OTHER SERVICE WORKERS	1.57	1.19	14.78	14.06	1.31	1.25	2.42	2.40	.85	.67
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.35	.49	.58	.74	.20	.27	.19	.22	.20	.29
JANITORS AND SEXTONS	.26	.23	.61	.62	.32	.34	.57	.69	.22	.16
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICE WORKERS,NEC	.96	.47	13.60	12.70	.78	.65	1.65	1.50	.43	.22
LABORERS,EXCEPT FARM AND MINE	2.61	2.07	.34	.35	3.13	2.68	2.02	2.38	3.60	2.82
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	3.00	4.23	3.71	5.25	2.63	3.77	9.70	15.08	3.33	4.57
ENGINEERS,TECHNICAL	.15	.13	.01	.01	.01	.01	.02	.02	.32	.29
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.03	.03	.01	.00	.00	.00	.02	.01	.06	.05
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.10	.09	.00	.00	.00	.00	.00	.00	.25	.23
ENGINEERS,MECHANICAL	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL SCIENTISTS	.03	.09	.02	.03	.02	.03	.01	.01	.05	.22
CHEMISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MATHEMATICIANS	.02	.09	.02	.03	.02	.03	.00	.00	.05	.21
PHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
TECHNICIANS,EXC MEDICAL,DENT	.04	.04	.01	.01	.00	.01	.02	.02	.10	.08
DRAFTSMEN	.02	.02	.00	.00	.00	.00	.01	.01	.03	.02
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TECHNICIANS,OTHER	.03	.02	.00	.01	.00	.01	.00	.00	.07	.05
MEDICAL,OTHER HEALTH WORKERS	.03	.04	.02	.03	.02	.03	.01	.00	.06	.07
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.01	.01	.01	.01	.02	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	.01	.01	.01	.01	.01	.00	.02	.02
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.01	.02	.00	.00	.00	.00	.00	.00	.03	.04
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
VETERINARIANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.02	.02	.02	.02	.02	.02	.02	.01	.02	.03
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.02	.02	.02	.02	.02	.02	.02	.01	.02	.03
SOCIAL SCIENTISTS	.21	.23	.19	.26	.16	.22	.39	.39	.34	.34
ECONOMISTS	.07	.09	.12	.17	.11	.16	.21	.24	.03	.03
STATISTICIANS + ACTUARIES	.14	.14	.07	.08	.05	.07	.18	.15	.31	.31
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	2.52	3.67	3.44	4.90	2.39	3.43	9.24	14.63	2.43	3.55
ACCOUNTANTS AND AUDITORS	1.08	1.66	1.33	1.75	1.28	1.67	1.63	2.27	1.27	2.30
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00
ARCHITECTS	.01	.01	.00	.00	.00	.00	.00	.00	.03	.02
WRKRS IN ARTS,ENTERTAINMNT	.02	.02	.02	.01	.01	.01	.04	.04	.03	.04
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00
EDITORS AND REPORTERS	.02	.02	.02	.03	.01	.01	.11	.12	.02	.03
LAWYERS AND JUDGES	.25	.25	.15	.14	.16	.14	.14	.12	.43	.42
LIBRARIANS	.01	.01	.01	.02	.01	.01	.04	.05	.01	.01
PERSONNEL AND LAB REL WRKS	.19	.27	.19	.27	.20	.29	.13	.17	.30	.41
PHOTOGRAPHERS	.01	.01	.01	.00	.01	.00	.00	.00	.01	.01
SOCIAL AND WELFARE WORKERS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
PROF,TECH,KINDRED,NEC	.91	1.42	1.69	2.66	.70	1.28	7.14	11.82	.31	.29
MANAGERS,OFFICIALS,PROPRIETORS	21.70	23.91	26.67	29.89	26.05	30.61	30.10	25.14	13.68	13.40
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.33	.50	.74	1.12	.85	1.26	.09	.14	.04	.04
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.13	.11	.13	.10	.10	.08	.28	.23	.12	.09
MANAGERS,OFFICE,PROP. NEC	21.24	23.30	25.81	28.67	25.10	29.26	29.73	24.77	13.52	13.27

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	48.31	45.33	61.15	56.95	64.80	59.92	41.01	37.24	50.95	45.63
STENOS, TYPISTS, SECRETARIES	13.67	12.75	11.40	10.51	11.10	10.36	13.05	11.47	19.50	17.59
OFFICE MACHINE OPERATORS	3.32	3.80	5.11	5.43	5.47	5.61	3.11	4.25	3.11	3.91
OTHER CLERICAL, KINDRED WRKRS	31.31	28.78	44.64	41.01	48.23	43.94	24.85	21.52	28.33	24.13
ACCOUNTING CLERKS	1.39	.96	1.22	.77	1.24	.75	1.12	.92	2.23	1.57
BOOKKEEPERS, HAND	4.87	3.90	9.79	7.30	11.10	8.03	2.61	2.45	.56	.52
BANK TELLERS	5.83	7.65	13.75	17.64	16.25	20.30	.00	.00	.00	.00
CASHIERS	1.38	1.27	2.50	2.50	2.55	2.65	2.25	1.51	.77	.44
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.05	.05	.06	.06	.04	.04	.18	.18	.07	.08
TELEPHONE OPERATORS	.46	.49	.67	.79	.59	.71	1.14	1.29	.33	.30
CLERICAL AND KINDRED, NEC	17.35	14.44	16.64	11.95	16.47	11.47	17.54	15.17	24.38	21.23
SALES WORKERS	17.86	19.82	2.98	3.22	.56	.68	16.34	20.08	29.49	34.37
CRAFTSMEN, FOREMEN AND KINDRED	1.73	1.63	.89	.89	.90	.91	.84	.80	.83	.83
CONSTRUCTION CRAFTSMEN	.54	.69	.08	.09	.09	.10	.05	.05	.09	.10
CARPENTERS	.19	.25	.03	.03	.03	.03	.01	.01	.03	.03
BRICKMASONS AND TILE SETRS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.04	.04	.02	.03	.03	.03	.01	.01	.02	.03
EXCAVATNG, GRADNG MACH OPER	.01	.03	.00	.00	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	.25	.34	.03	.03	.03	.03	.03	.03	.04	.03
PLASTERERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.17	.16	.12	.11	.12	.12	.12	.09	.07	.06
METALWKNG CRAFTS EXC MECH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.08	.08	.09	.10	.09	.10	.07	.10	.10	.08
COMPOSITORS, TYPESETTERS	.06	.07	.08	.08	.08	.08	.07	.10	.08	.07
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.01	.01	.01	.02	.02	.02	.00	.00	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.01	.01	.00	.00	.05	.08	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.01	.01	.00	.00	.05	.08	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.68	.52	.48	.49	.52	.51	.29	.30	.28	.22
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
OFFICE MACHINE MECHANICS	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01
RADIO AND TV MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.66	.49	.46	.47	.50	.50	.28	.28	.27	.20

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	FINANCE, INSURANCE AND REAL ESTATE		FINANCE		BANKS AND CREDIT AGENCIES		STOCK BROKERS AND INVESTMENT		INSURANCE	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.25	.17	.11	.09	.08	.07	.26	.18	.28	.16
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.09	.05	.02	.01	.01	.00	.08	.04	.23	.12
UPHOLSTERERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRAFTSMEN AND KINDRED NEC	.15	.11	.08	.07	.06	.06	.18	.14	.05	.04
OPERATIVES AND KINDRED WORKERS	.44	.39	.43	.39	.41	.38	.54	.48	.21	.17
DRIVERS AND DELIVERYMEN	.09	.09	.08	.08	.07	.08	.12	.12	.03	.03
DRIVERS,BUS,TRUCK,TRACTOR	.05	.05	.03	.02	.02	.01	.10	.09	.01	.01
DELIVERYMEN AND ROUTEMEN	.04	.04	.05	.06	.05	.06	.02	.02	.02	.02
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.35	.31	.35	.31	.34	.30	.42	.36	.18	.14
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.04	.04	.08	.07	.09	.08	.01	.01	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.30	.27	.28	.23	.26	.22	.40	.35	.17	.14
SERVICE WORKERS	5.57	3.46	4.01	3.30	4.52	3.64	1.24	1.01	1.41	1.15
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.58	.45	.97	.74	1.10	.82	.27	.25	.07	.05
FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.54	.42	.94	.73	1.07	.80	.25	.23	.05	.04
POLICE,OTH LAW ENFORCE OFF	.04	.03	.03	.02	.03	.01	.02	.02	.01	.01
FOOD SERVICE WORKERS	.13	.09	.13	.11	.15	.11	.05	.05	.17	.12
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.04	.03	.05	.04	.06	.04	.02	.02	.04	.03
COUNTER AND FOUNTAIN WKRS	.04	.03	.03	.02	.03	.03	.01	.01	.08	.05
WAITERS AND WAITRESSES	.05	.03	.06	.04	.06	.05	.02	.02	.05	.04
OTHER SERVICE WORKERS	4.86	2.91	2.91	2.45	3.27	2.71	.92	.71	1.16	.99
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHARWOMEN AND CLEANERS	.70	.49	.60	.71	.69	.79	.12	.15	.28	.25
JANITORS AND SEXTONS	1.98	1.29	1.33	1.11	1.49	1.22	.43	.39	.35	.29
NURSES,PRACTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
SERVICE WORKERS,NEC	2.17	1.13	.98	.63	1.09	.70	.37	.17	.56	.43
LABORERS,EXCEPT FARM AND MINE	1.39	1.23	.15	.10	.13	.09	.23	.18	.11	.08
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	1.12	1.62	35.80	34.07	2.21	3.36	5.07	5.76	.15	.27
ENGINEERS,TECHNICAL	.14	.11	.84	.86	.00	.01	.00	.00	.00	.01
ENGINEERS,AERONAUTICAL	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.04	.04	.17	.16	.00	.00	.00	.00	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.16	.15	.00	.00	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.03	.03	.06	.07	.00	.00	.00	.00	.00	.00
ENGINEERS,MECHANICAL	.03	.02	.14	.13	.00	.01	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.02	.23	.30	.00	.00	.00	.00	.00	.00
NATURAL SCIENTISTS	.02	.02	.61	.62	.00	.00	.00	.00	.01	.00
CHEMISTS	.00	.00	.12	.13	.00	.00	.00	.00	.00	.00
AGRICULTURAL SCIENTISTS	.01	.01	.05	.04	.00	.00	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.14	.14	.00	.00	.00	.00	.01	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.07	.08	.00	.00	.00	.00	.00	.00
PHYSICISTS	.00	.00	.09	.10	.00	.00	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.12	.11	.00	.00	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.03	.04	1.08	1.18	.00	.01	.03	.04	.00	.00
DRAFTSMEN	.03	.02	.47	.47	.00	.00	.00	.00	.00	.00
SURVEYORS	.00	.00	.12	.11	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.00	.01	.49	.59	.00	.01	.03	.04	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.01	.01	7.76	7.88	.08	.11	.22	.21	.00	.00
DENTISTS	.00	.00	.46	.43	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.13	.11	.04	.06	.00	.00	.00	.00
NURSES,PROFESSIONAL	.01	.01	3.27	3.29	.01	.01	.00	.00	.00	.00
OPTOMETRISTS	.00	.00	.07	.07	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.07	.07	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.08	.07	.00	.00	.00	.01	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	1.26	1.31	.00	.00	.00	.00	.00	.00
PSYCHOLOGISTS	.00	.00	.14	.17	.00	.00	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	1.25	1.59	.00	.00	.00	.00	.00	.00
VETERINARIANS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	1.03	.76	.03	.04	.21	.20	.00	.00
TEACHERS	.01	.01	14.67	11.36	.02	.03	.01	.01	.00	.00
TEACHERS,ELEMENTARY	.00	.00	6.07	4.24	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	4.89	3.67	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	2.66	2.40	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	1.05	1.06	.02	.03	.01	.01	.00	.00
SOCIAL SCIENTISTS	.01	.01	.08	.10	.00	.00	.01	.01	.00	.00
ECONOMISTS	.01	.01	.03	.04	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.03	.03	.00	.00	.00	.01	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	.91	1.41	10.76	12.07	2.10	3.20	4.81	5.49	.14	.26
ACCOUNTANTS AND AUDITORS	.30	.40	.88	.91	.54	.82	.04	.06	.05	.09
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.01	.04	.00	.00	.00	.00	.00	.00
ARCHITECTS	.01	.01	.13	.15	.00	.00	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.01	.01	3.07	2.66	.59	.73	.26	.27	.03	.06
CLERGYMEN	.00	.00	1.00	.75	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.12	.16	.00	.00	.03	.04	.00	.00
EDITORS AND REPORTERS	.01	.01	.10	.09	.00	.00	.00	.00	.00	.00
LAWYERS AND JUDGES	.16	.17	1.07	.92	.01	.01	.02	.02	.00	.00
LIBRARIANS	.00	.00	.58	.57	.00	.00	.00	.00	.00	.00
PERSONNEL AND LAB REL WRKS	.02	.03	.15	.22	.02	.02	.03	.06	.04	.10
PHOTOGRAPHERS	.00	.00	.17	.13	.00	.00	1.62	.94	.00	.00
SOCIAL AND WELFARE WORKERS	.02	.02	.32	.30	.01	.01	.01	.02	.00	.00
PROF,TECH,KINDRED,NEC	.37	.74	3.15	5.17	.94	1.61	2.81	4.09	.02	.02
MANAGERS,OFFICIALS,PROPRIETORS	25.07	29.06	6.49	6.78	21.97	22.55	8.72	7.73	17.50	17.76
CONDUCTORS,RAILROAD	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.02	.03	.03	.04	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.17	.17	.10	.10	.15	.14	.01	.01	.01	.01
MANAGERS,OFFICE,PROP. NEC	24.88	28.87	6.36	6.64	21.80	22.37	8.71	7.72	17.49	17.75

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	19.46	21.34	15.33	17.03	11.91	12.85	8.55	8.99	16.29	18.73
STENOS, TYPISTS, SECRETARIES	8.66	9.34	6.29	6.94	1.03	1.10	.43	.40	.51	.54
OFFICE MACHINE OPERATORS	.23	.31	.25	.41	.45	.61	.27	.32	.63	.79
OTHER CLERICAL, KINDRED WRKRS	10.57	11.69	8.79	9.67	10.42	11.15	7.85	8.27	15.15	17.40
ACCOUNTING CLERKS	.35	.38	.30	.30	.76	.85	.43	.47	.55	.55
BOOKKEEPERS, HAND	2.35	2.58	.85	.74	.04	.06	.45	.42	.94	.94
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.19	.16	.48	.42	1.36	1.25	.44	.46	.86	.99
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.00	.00	.06	.07	.04	.04	.16	.13	.32	.26
TELEPHONE OPERATORS	.25	.23	.38	.45	1.28	1.72	.06	.07	.08	.07
CLERICAL AND KINDRED, NEC	7.42	8.35	6.72	7.69	6.94	7.23	6.32	6.72	12.41	14.59
SALES WORKERS	27.70	29.51	.61	.71	.23	.25	1.09	1.07	1.64	1.57
CRAFTSMEN, FOREMEN AND KINDRED	4.79	4.77	5.55	4.97	4.13	4.26	3.70	3.25	4.76	5.06
CONSTRUCTION CRAFTSMEN	2.17	2.89	.72	.81	1.16	1.56	.06	.08	.05	.08
CARPENTERS	.75	1.05	.20	.26	.44	.65	.02	.04	.01	.01
BRICKMASONS AND TILE SETRS	.03	.03	.01	.02	.00	.00	.00	.00	.00	.00
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.10	.07	.15	.17	.15	.18	.00	.01	.01	.02
EXCAVATNG, GRADNG MACH OPER	.06	.13	.02	.04	.00	.00	.00	.00	.00	.00
PAINTERS AND PAPERHANGERS	1.04	1.44	.26	.23	.48	.60	.02	.02	.02	.03
PLASTERERS	.10	.09	.01	.01	.05	.03	.01	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.08	.08	.06	.08	.05	.11	.00	.00	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
FOREMEN NEC	.44	.43	.38	.34	.18	.19	.75	.63	1.80	1.70
METALWKNG CRAFTS EXC MECH	.01	.02	.10	.11	.00	.00	.01	.01	.02	.03
MACHINISTS AND RELATED OCC	.00	.00	.03	.03	.00	.00	.01	.01	.02	.03
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.02	.04	.00	.00	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.01	.05	.05	.01	.04	.02	.02	.01	.01
COMPOSITORS, TYPESETTERS	.01	.01	.03	.04	.01	.01	.01	.02	.01	.01
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	1.68	1.06	3.38	2.91	2.03	1.86	.76	.94	1.56	2.16
AIRPLANE MECH AND REPAIRMN	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.03	.04	1.34	1.03	.02	.02	.10	.12	.23	.27
OFFICE MACHINE MECHANICS	.00	.00	.07	.09	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.33	.29	.00	.00	.01	.01	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.65	1.02	1.63	1.47	2.02	1.84	.65	.82	1.33	1.89

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	REAL ESTATE		TOTAL SERVICES		HOTELS AND OTHER LODGING PLACES		OTHER PERSONAL SERVICES		LAUNDRY, CLEANERS AND VALET	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.49	.36	.92	.73	.74	.61	2.11	1.57	1.32	1.09
BAKERS	.00	.00	.06	.07	.17	.14	.00	.00	.00	.00
CABINETMAKERS	.01	.01	.33	.02	.01	.01	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.02	.03	.01	.01	.00	.00	.00	.00	.00	.00
GLAZIERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.04	.03	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.08	.05	.00	.00	.00	.00	.00	.00
UPHOLSTERERS	.00	.00	.11	.08	.04	.03	.03	.05	.01	.01
CRAFTSMEN AND KINDRED NEC	.44	.30	.56	.45	.52	.43	2.08	1.52	1.31	1.08
OPERATIVES AND KINDRED WORKERS	.82	.77	4.86	4.67	2.46	2.58	27.52	23.40	56.86	53.90
DRIVERS AND DELIVERYMEN	.20	.20	.89	.94	.12	.14	4.26	3.88	9.67	9.90
DRIVERS,BUS,TRUCK,TRACTOR	.16	.15	.54	.62	.08	.09	.92	.56	2.15	1.47
DELIVERYMEN AND ROUTEMEN	.04	.04	.35	.32	.05	.06	3.35	3.31	7.51	8.43
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.22	.20	.01	.01	.01	.01	.01	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.22	.20	.01	.01	.01	.01	.01	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.61	.58	3.75	3.52	2.32	2.43	23.25	19.52	47.18	43.98
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.05	.03	.14	.13	.15	.16	.00	.00	.01	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.01	1.71	1.46	.96	1.20	19.56	16.09	46.72	43.54
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.03	.02	.12	.14	.00	.00	.00	.00
MINE OPERATVS,LABURERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.56	.54	1.87	1.91	1.08	.93	3.69	3.43	.45	.43
SERVICE WORKERS	15.23	7.55	29.44	30.37	55.63	52.74	44.67	49.19	1.70	1.67
PRIVATE HOUSEHOLD WORKERS	.00	.00	7.51	6.73	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.66	.53	.58	.65	.43	.46	.09	.07	.13	.07
FIREMEN	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.57	.41	.47	.54	.35	.37	.07	.05	.13	.07
POLICE,OTH LAW ENFORCE OFF	.09	.11	.10	.10	.08	.09	.02	.02	.00	.00
FOOD SERVICE WORKERS	.05	.01	2.95	3.17	12.23	13.04	.04	.03	.07	.06
BARTENDERS	.00	.00	.10	.09	.81	.68	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.01	.01	1.41	1.42	3.80	3.47	.01	.01	.02	.02
COUNTER AND FOUNTAIN WKRS	.01	.01	.54	.67	.24	.32	.01	.01	.01	.01
WAITERS AND WAITRESSES	.02	.00	.90	1.00	7.37	8.56	.02	.01	.04	.04
OTHER SERVICE WORKERS	14.52	7.01	18.39	19.82	42.97	39.25	44.55	49.09	1.50	1.53
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	3.94	5.03	.04	.08	.02	.03	.03	.06
CHARWOMEN AND CLEANERS	1.58	.45	.82	.95	2.59	3.98	.36	.46	.02	.02
JANITORS AND SEXTONS	5.91	3.28	2.66	2.82	1.13	1.00	.52	.63	.69	.85
NURSES,PRACTICAL	.01	.01	1.77	2.26	.06	.06	.04	.06	.00	.00
SERVICE WORKERS,NEC	7.03	3.28	9.21	8.76	39.15	34.13	43.61	47.91	.76	.61
LABORERS,EXCEPT FARM AND MINE	5.82	5.38	1.92	1.40	1.46	1.41	.67	.61	1.09	1.03
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	8.59	8.97	14.28	14.65	16.54	17.17	14.09	14.53	.39	.45
ENGINEERS,TECHNICAL	.00	.00	2.69	1.72	.00	.05	2.91	1.80	.01	.01
ENGINEERS,AERONAUTICAL	.00	.00	.08	.09	.00	.00	.09	.09	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.13	.08	.00	.00	.14	.09	.00	.00
ENGINEERS,CIVIL	.00	.00	.08	.03	.00	.00	.09	.04	.00	.00
ENGINEERS,ELECTRICAL	.00	.00	.91	.52	.00	.01	.98	.55	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.37	.30	.00	.01	.40	.31	.00	.00
ENGINEERS,MECHANICAL	.00	.00	.38	.23	.00	.01	.42	.24	.00	.01
ENGINEERS,METALLURG,ETC	.00	.00	.06	.02	.00	.00	.06	.03	.00	.00
ENGINEERS,MINING	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.00	.00	.66	.44	.00	.03	.72	.46	.00	.00
NATURAL SCIENTISTS	.00	.01	1.54	1.19	.00	.04	1.67	1.25	.00	.00
CHEMISTS	.00	.00	.51	.39	.00	.04	.55	.40	.00	.00
AGRICULTURAL SCIENTISTS	.00	.00	.06	.06	.00	.00	.07	.06	.00	.00
BIOLOGICAL SCIENTISTS	.00	.00	.08	.07	.00	.00	.09	.07	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.14	.10	.00	.00	.15	.11	.00	.00
MATHEMATICIANS	.00	.00	.30	.21	.00	.00	.32	.22	.00	.00
PHYSICISTS	.00	.00	.33	.24	.00	.00	.35	.25	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.13	.13	.00	.00	.14	.13	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.05	.07	2.57	2.58	.01	.01	2.[illegible]	2.71	.00	.00
DRAFTSMEN	.00	.00	.78	.50	.01	.01	.85	.53	.00	.00
SURVEYORS	.00	.00	.00	.04	.00	.00	.00	.04	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.03	.06	.00	.00	.03	.06	.00	.00
TECHNICIANS,OTHER	.04	.06	1.76	1.98	.00	.00	1.90	2.08	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.37	.33	.12	.16	.03	.03	.12	.16	.00	.00
DENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.00	.00	.03	.07	.00	.00	.03	.07	.00	.00
NURSES,PROFESSIONAL	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00
PHYSICIANS AND SURGEONS	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.04	.03	.02	.03	.04	.03	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.02	.02	.00	.00	.02	.02	.00	.00
VETERINARIANS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.36	.31	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS	.01	.01	.04	.05	.00	.00	.04	.06	.24	.25
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.01	.01	.04	.05	.00	.00	.04	.06	.24	.25
SOCIAL SCIENTISTS	.01	.01	.38	.38	.35	.33	.38	.38	.00	.00
ECONOMISTS	.00	.00	.29	.28	.26	.22	.29	.28	.00	.00
STATISTICIANS + ACTUARIES	.01	.01	.09	.10	.09	.12	.09	.10	.00	.00
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	8.16	8.54	6.95	8.56	16.15	16.70	6.18	8.18	.14	.19
ACCOUNTANTS AND AUDITORS	.03	.04	.73	.67	1.13	1.56	.70	.63	.13	.17
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.02	.11	.01	.00	.02	.11	.00	.00
ARCHITECTS	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.42	.39	1.00	.61	6.91	5.76	.50	.36	.00	.00
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.05	.06	.78	.72	.65	.87	.79	.71	.00	.00
EDITORS AND REPORTERS	.00	.00	.62	.45	4.71	4.25	.28	.26	.00	.00
LAWYERS AND JUDGES	.03	.02	.05	.04	.05	.07	.05	.04	.00	.00
LIBRARIANS	.00	.00	.04	.05	.11	.18	.04	.05	.00	.00
PERSONNEL AND LAB REL WRKS	.02	.03	.72	.90	.20	.30	.76	.93	.00	.00
PHOTOGRAPHERS	2.79	1.49	.24	.26	.26	.27	.23	.26	.00	.00
SOCIAL AND WELFARE WORKERS	.02	.03	.02	.01	.00	.00	.02	.01	.00	.00
PROF,TECH,KINDRED,NEC	4.80	6.47	2.72	4.74	2.13	3.43	2.77	4.81	.01	.02
MANAGERS,OFFICIALS,PROPRIETORS	2.43	1.87	18.79	16.94	31.05	35.25	17.77	16.07	16.84	17.81
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.00	.00	.16	.18	.17	.21	.16	.18	.01	.01
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.01	.01	.02	.02	.01	.01	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.01	.01	.38	.35	.31	.15	.39	.36	.04	.04
MANAGERS,OFFICE,PROP. NEC	2.41	1.86	18.24	16.41	30.55	34.86	17.21	15.52	16.79	17.76

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	3.01	3.30	30.05	31.10	33.17	31.40	29.79	31.09	5.47	7.10
STENOS, TYPISTS,SECRETARIES	.37	.32	10.96	11.13	11.94	10.34	10.88	11.16	.39	.39
OFFICE MACHINE OPERATORS	.02	.04	.83	1.91	.82	1.23	.83	1.52	.24	.27
OTHER CLERICAL,KINDRED WRKRS	2.62	2.93	18.26	18.47	20.42	19.82	18.08	18.40	4.84	6.45
ACCOUNTING CLERKS	.34	.42	.59	.55	.98	.89	.56	.53	.38	.39
BOOKKEEPERS,HAND	.09	.11	1.25	1.22	1.75	1.97	1.21	1.18	2.16	2.72
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.14	.16	.14	.08	.06	.05	.14	.08	.39	.50
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING,RECEIVING CLERKS	.04	.06	.26	.29	.25	.24	.27	.29	.05	.10
TELEPHONE OPERATORS	.04	.07	1.09	1.12	.45	.47	1.14	1.15	.02	.02
CLERICAL AND KINDRED,NEC	1.96	2.12	14.92	15.22	16.93	16.20	14.76	15.17	1.84	2.72
SALES WORKERS	.70	.77	3.71	3.80	8.00	7.74	3.36	3.61	.94	.95
CRAFTSMEN,FOREMEN AND KINDRED	2.94	2.20	8.99	9.11	4.66	3.03	9.36	9.40	54.61	47.98
CONSTRUCTION CRAFTSMEN	.07	.09	2.04	1.93	1.83	1.25	2.06	1.96	.03	.00
CARPENTERS	.03	.06	.23	.44	.30	.24	.22	.45	.03	.00
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT,CONCRETE FINISHERS	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00
ELECTRICIANS	.00	.00	.30	.41	.18	.17	.31	.42	.00	.00
EXCAVATNG,GRADNG MACH OPER	.00	.00	.10	.29	.01	.02	.11	.30	.00	.00
PAINTERS AND PAPERHANGERS	.02	.02	1.33	.73	1.33	.82	1.33	.73	.00	.00
PLASTERERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.00	.00	.07	.05	.01	.01	.08	.06	.00	.00
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.00	.00	1.23	1.45	.47	.25	1.29	1.50	.92	1.01
METALWKNG CRAFTS EXC MECH	.00	.00	.33	.50	.19	.15	.35	.52	.06	.05
MACHINISTS AND RELATED OCC	.00	.00	.04	.06	.00	.00	.05	.07	.02	.03
BLKSMITHS,FORGMN,HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS,ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.04	.05	.00	.00	.04	.05	.00	.00
MOLDERS,METAL,EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS,METAL,WOOD	.00	.00	.09	.13	.02	.02	.09	.14	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.00	.00	.15	.24	.17	.13	.15	.25	.03	.02
TOOLMAKERS AND DIEMAKERS	.00	.00	.02	.01	.00	.00	.02	.01	.00	.00
PRINTING TRADES CRAFTSMEN	.02	.02	.21	.14	.34	.18	.19	.13	.00	.0
COMPOSITORS,TYPESETTERS	.01	.02	.12	.06	.24	.11	.11	.05	.00	.00
ELECTROTYPERS,STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS,LITHOGRAPHERS	.00	.00	.02	.02	.04	.02	.02	.02	.00	.00
PRESSMEN,PLATE PRINTERS	.00	.00	.06	.06	.07	.05	.06	.06	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.09	.18	.00	.00	.10	.19	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.09	.18	.00	.00	.10	.19	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.18	.23	3.39	3.47	1.59	1.11	3.54	3.58	52.71	45.94
AIRPLANE MECH AND REPAIRMN	.00	.00	.06	.11	.00	.00	.07	.12	.00	.00
MOTOR VEHICLE MECHANICS	.01	.03	.11	.15	.02	.02	.11	.16	51.70	44.88
OFFICE MACHINE MECHANICS	.00	.00	.42	.55	.02	.02	.45	.57	.00	.00
RADIO AND TV MECHANICS	.01	.01	.09	.11	.00	.00	.09	.12	.04	.04
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.16	.19	2.72	2.54	1.55	1.08	2.81	2.61	.97	1.01

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PERSONAL SERVICES		MISCELLANEOUS BUSINESS SERVICES		ADVERTISING		OTHER MISC. BUSINESS SERVICES		AUTO REPAIR SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	2.67	1.85	1.70	1.44	.24	.08	1.83	1.51	.89	.99
BAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.03	.03	.00	.00	.03	.03	.00	.00
CRANE,DERRICK,HOIST MEN	.00	.00	.08	.11	.00	.00	.08	.12	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09
JEWELERS AND WATCHMAKERS	.00	.00	.02	.05	.00	.00	.02	.05	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.05	.07	.00	.00	.05	.08	.00	.00
INSPECTORS,OTHER	.00	.00	.33	.21	.01	.01	.36	.22	.00	.00
UPHOLSTERERS	.04	.07	.04	.06	.00	.00	.05	.07	.68	.58
CRAFTSMEN AND KINDRED NEC	2.63	1.78	1.14	.91	.23	.08	1.22	.95	.14	.32
OPERATIVES AND KINDRED WORKERS	6.50	5.59	10.09	9.96	4.81	3.92	10.52	10.25	13.98	16.64
DRIVERS AND DELIVERYMEN	.39	.36	1.26	1.18	.73	.65	1.30	1.21	1.29	2.03
DRIVERS,BUS,TRUCK,TRACTOR	.03	.03	.78	.89	.13	.09	.84	.92	.91	1.50
DELIVERYMEN AND ROUTEMEN	.36	.33	.47	.30	.60	.56	.46	.29	.37	.53
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.17	.25	.04	.04	.18	.26	.63	.83
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.17	.25	.04	.04	.18	.26	.63	.83
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	6.11	5.23	8.65	8.53	4.04	3.23	9.04	8.78	12.06	13.79
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.01	.03	.01	.01	.01	.03	4.67	4.81
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.10	.05	.00	.00	.00	.00	.00	.00	.06	.06
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	6.00	5.18	8.63	8.49	4.03	3.22	9.02	8.74	7.33	8.92
SERVICE WORKERS	75.47	76.94	12.44	12.99	.67	.55	13.43	13.59	.48	.50
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.05	.06	4.43	4.01	.08	.06	4.79	4.20	.04	.04
FIREMEN	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.03	.04	3.63	3.52	.08	.06	3.92	3.68	.04	.04
POLICE,OTH LAW ENFORCE OFF	.03	.03	.79	.48	.00	.00	.85	.51	.00	.00
FOOD SERVICE WORKERS	.02	.01	.06	.06	.03	.02	.06	.06	.00	.00
BARTENDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.03	.02	.01	.01	.03	.02	.00	.00
COUNTER AND FOUNTAIN WKRS	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00
WAITERS AND WAITRESSES	.00	.00	.01	.03	.01	.01	.01	.03	.00	.00
OTHER SERVICE WORKERS	75.40	76.86	7.96	8.92	.55	.47	8.58	9.33	.44	.46
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00
CHARWOMEN AND CLEANERS	.40	.71	3.49	3.20	.17	.21	3.76	3.34	.09	.08
JANITORS AND SEXTONS	.40	.50	2.68	4.00	.14	.15	2.89	4.19	.11	.11
NURSES,PRACTICAL	.07	.10	.16	.21	.00	.00	.17	.22	.00	.00
SERVICE WORKERS,NEC	74.32	75.53	1.63	1.50	.23	.11	1.74	1.57	.24	.26
LABORERS,EXCEPT FARM AND MINE	.37	.36	1.64	1.45	1.12	.94	1.69	1.47	7.28	8.57
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	.64	.93	25.01	24.39	19.15	20.73	37.28	36.79	33.46	35.03
ENGINEERS,TECHNICAL	.06	.12	.04	.05	.00	.00	.09	.07	.10	.08
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,CIVIL	.00	.01	.00	.00	.00	.00	.02	.02	.03	.02
ENGINEERS,ELECTRICAL	.01	.02	.02	.02	.00	.00	.01	.01	.02	.01
ENGINEERS,INDUSTRIAL	.00	.02	.01	.02	.00	.00	.00	.01	.01	.01
ENGINEERS,MECHANICAL	.02	.02	.02	.02	.00	.00	.02	.02	.02	.01
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.06	.00	.00	.00	.00	.03	.03	.02	.02
NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.37	.32	.32	.30
CHEMISTS	.00	.00	.00	.00	.00	.00	.09	.08	.10	.08
AGRICULTURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
BIOLOGICAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.19	.18	.18	.18
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
PHYSICISTS	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.06	.05	.02	.02
TECHNICIANS,EXC MEDICAL,DENT	.25	.24	.63	.64	.01	.02	.05	.04	.06	.04
DRAFTSMEN	.02	.02	.00	.00	.01	.01	.00	.00	.00	.00
SURVEYORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TECHNICIANS,OTHER	.23	.22	.63	.64	.00	.01	.04	.04	.06	.04
MEDICAL,OTHER HEALTH WORKERS	.00	.00	.11	.22	.07	.09	34.63	34.26	30.76	32.51
DENTISTS	.00	.00	.01	.01	.00	.00	2.15	1.94	.06	.05
DIETITIANS,NUTRITIONISTS	.00	.00	.00	.00	.00	.00	.44	.34	.54	.39
NURSES,PROFESSIONAL	.00	.00	.04	.12	.01	.01	14.74	14.45	16.65	18.33
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.34	.33	.02	.03
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.31	.30	.04	.04
PHARMACISTS	.00	.00	.00	.00	.00	.00	.33	.30	.45	.42
PHYSICIANS AND SURGEONS	.00	.00	.06	.09	.01	.01	5.79	5.91	1.84	1.87
PSYCHOLOGISTS	.00	.00	.00	.00	.00	.00	.16	.17	.12	.13
TECHNICIANS,MEDICAL,DENTAL	.00	.00	.00	.00	.00	.00	5.71	7.20	5.69	8.12
VETERINARIANS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.00	.00	.00	.00	.06	.06	4.65	3.32	5.35	3.14
TEACHERS	.02	.02	.08	.19	.87	1.06	.16	.15	.18	.17
TEACHERS,ELEMENTARY	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.02	.02	.08	.19	.87	1.06	.15	.14	.16	.15
SOCIAL SCIENTISTS	.00	.00	.08	.08	.00	.00	.04	.04	.02	.02
ECONOMISTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
STATISTICIANS + ACTUARIES	.00	.00	.07	.07	.00	.00	.03	.02	.02	.02
OTHER SOCIAL SCIENTISTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OTHER PROF,TECH AND KINDRED	.30	.54	24.07	23.20	18.19	19.56	1.94	1.91	2.01	1.92
ACCOUNTANTS AND AUDITORS	.07	.08	.63	.97	.22	.32	.11	.14	.15	.19
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ARCHITECTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
WRKRS IN ARTS,ENTERTAINMNT	.08	.08	20.31	17.71	11.17	9.01	.05	.03	.05	.03
CLERGYMEN	.00	.00	.00	.00	.00	.00	.06	.04	.07	.04
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.18	.23	.01	.01	.00	.00	.00	.00
EDITORS AND REPORTERS	.01	.04	.99	.95	.03	.02	.01	.00	.00	.00
LAWYERS AND JUDGES	.00	.00	.17	.25	.01	.01	.07	.04	.00	.00
LIBRARIANS	.00	.00	.02	.02	.00	.00	.16	.15	.24	.24
PERSONNEL AND LAB REL WRKS	.01	.03	.05	.11	.08	.13	.19	.22	.23	.26
PHOTOGRAPHERS	.00	.00	.73	.78	.02	.02	.07	.05	.06	.05
SOCIAL AND WELFARE WORKERS	.00	.00	.00	.00	.15	.15	.48	.53	.48	.45
PROF,TECH,KINDRED,NEC	.12	.30	1.00	2.19	6.49	9.87	.73	.70	.72	.65
MANAGERS,OFFICIALS,PROPRIETORS	11.00	10.73	17.17	19.34	16.30	14.98	2.26	2.13	1.94	1.76
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.02	.02	.02	.02	.04	.05	.05	.07
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.08	.08	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.05	.03	.30	.36	.04	.03	.11	.09	.16	.14
MANAGERS,OFFICE,PROP. NEC	10.94	10.67	16.85	18.96	16.16	14.84	2.11	1.98	1.72	1.55

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	5.21	5.30	20.77	2[illegible]0	9.54	9.87	18.29	15.88	13.20	10.96
STENOS, TYPISTS, SECRETARIES	.92	.91	3.19	3.6[illegible]	1.77	1.74	5.70	4.86	4.47	3.80
OFFICE MACHINE OPERATORS	.08	.06	1.22	1.77	.07	.14	.15	.21	.17	.22
OTHER CLERICAL, KINDRED WRKRS	4.21	4.32	16.35	18.26	7.69	7.99	12.44	10.80	8.57	6.93
ACCOUNTING CLERKS	.04	.05	1.32	1.88	.17	.17	.28	.21	.39	.28
BOOKKEEPERS, HAND	1.62	1.58	.44	.63	1.14	1.29	.68	.52	.48	.35
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.04	.05	9.88	10.07	2.68	2.43	.25	.18	.39	.28
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.12	.16	.31	.37	.02	.03	.04	.04	.[illegible]	.05
TELEPHONE OPERATORS	.02	.04	.15	.19	.23	.33	.55	.48	.[illegible]	.76
CLERICAL AND KINDRED, NEC	2.36	2.44	4.24	5.13	3.46	3.74	10.63	9.38	6.42	5.20
SALES WORKERS	.98	1.10	3.01	3.47	1.11	1.27	.04	.01	.04	.01
CRAFTSMEN, FOREMEN AND KINDRED	58.98	57.61	11.08	11.36	5.98	6.67	2.47	1.85	3.02	2.26
CONSTRUCTION CRAFTSMEN	2.13	2.12	1.54	2.08	1.60	2.27	.61	.51	.87	.72
CARPENTERS	.23	.21	.22	.25	1.13	1.54	.14	.10	.18	.11
BRICKMASONS AND TILE SETRS	.02	.02	.01	.01	.03	.08	.01	.01	.01	.01
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	1.47	1.46	.88	1.11	.14	.25	.14	.13	.22	.20
EXCAVATNG, GRADNG MACH OPER	.01	.01	.00	.00	.05	.07	.00	.01	.00	.00
PAINTERS AND PAPERHANGERS	.29	.29	.39	.65	.22	.29	.18	.14	.27	.21
PLASTERERS	.01	.01	.02	.02	.00	.00	.02	.01	.03	.02
PLUMBERS AND PIPEFITTERS	.10	.11	.02	.03	.03	.04	.10	.11	.15	.16
ROOFERS AND SLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOREMEN NEC	.79	.86	.32	.34	.34	.30	.16	.12	.17	.13
METALWKNG CRAFTS EXC MECH	2.24	1.46	.08	.13	.16	.16	.03	.03	.03	.03
MACHINISTS AND RELATED OCC	.01	.01	.08	.13	.17	.11	.01	.01	.01	.01
BLKSMITHS, FORGMN, HAMMERMEN	1.45	.52	.00	.00	.03	.03	.00	.00	.00	.00
BOILERMAKERS	.46	.64	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.17	.14	.00	.00	.01	.02	.01	.01	.01	.01
TOOLMAKERS AND DIEMAKERS	.11	.11	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.00	.04	.08	.01	.01	.01	.02	.01	.01
COMPOSITORS, TYPESETTERS	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.06	.06	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	44.08	46.53	1.00	.92	3.57	3.64	1.05	.81	1.43	1.12
AIRPLANE MECH AND REPAIRMN	.23	.31	.00	.00	.01	.02	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	1.32	.94	.01	.01	.14	.14	.01	.01	.02	.02
OFFICE MACHINE MECHANICS	2.16	2.57	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV MECHANICS	19.77	22.21	.01	.01	.01	.01	.00	.00	.00	.00
RR AND CAR SHOP MECHANICS	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
[illegible]HER MECHANICS AND REPAIR	20.56	20.48	.98	.90	3.41	3.47	1.04	.80	1.41	1.10

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER REPAIR SERVICES		MOTION PICTURES AND THEATERS		MISCELLANEOUS ENTERTAINMENT AND RECREATION		MEDICAL AND OTHER HEALTH SERVICES		HOSPITALS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	9.67	6.58	8.09	7.82	.30	.29	.61	.37	.51	.26
BAKERS	.00	.00	.00	.00	.09	.08	.06	.04	.09	.05
CABINETMAKERS	1.21	.80	.00	.00	.00	.00	.01	.00	.01	.01
CRANE,DERRICK,HOIST MEN	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	2.41	1.59	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.01	.00	.01	.02	.00	.00	.08	.09	.01	.01
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.03	.01	.09	.05	.01	.01	.20	.12	.01	.01
UPHOLSTERERS	4.82	3.39	.02	.01	.01	.00	.00	.00	.01	.00
CRAFTSMEN AND KINDRED NEC	1.16	.75	7.96	7.75	.19	.20	.26	.12	.38	.18
OPERATIVES AND KINDRED WORKERS	20.64	21.69	4.39	4.27	2.26	2.24	2.21	1.66	3.02	2.36
DRIVERS AND DELIVERYMEN	1.01	1.15	.39	.42	.29	.33	.17	.08	.18	.08
DRIVERS,BUS,TRUCK,TRACTOR	.64	.63	.24	.27	.25	.29	.07	.04	.08	.04
DELIVERYMEN AND ROUTEMEN	.37	.52	.15	.15	.04	.04	.10	.04	.10	.04
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.03	.03	.01	.01	.02	.02
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02
SAILORS AND DECKHANDS	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	11.16	11.93	.02	.04	.03	.03	.01	.01	.02	.01
FURNACEMN,SMELTRMN,POURERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	11.15	11.92	.02	.04	.03	.03	.01	.01	.02	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	8.46	8.60	3.98	3.81	1.91	1.85	2.02	1.56	2.81	2.24
ASBESTOS,INSULATION WRKS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.04	.04	.07	.05	.22	.27	.01	.01	.02	.01
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.01	.02	.01	.01	.07	.09	1.23	1.14	1.83	1.74
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.00	.00	.05	.06	.04	.02	.06	.03
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	8.40	8.51	3.90	3.75	1.57	1.44	.73	.38	.89	.46
SERVICE WORKERS	.36	.57	17.69	12.68	37.42	36.47	36.96	41.00	44.74	47.43
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.04	.03	.32	.35	1.58	1.62	.23	.15	.33	.22
FIREMEN	.00	.00	.01	.02	.01	.01	.02	.02	.02	.02
GUARDS,WATCHMEN,DOORKEEPRS	.04	.03	.15	.09	1.42	1.42	.20	.12	.28	.18
POLICE,OTH LAW ENFORCE OFF	.00	.00	.15	.24	.15	.18	.02	.01	.03	.02
FOOD SERVICE WORKERS	.00	.00	1.21	1.47	10.71	13.41	2.46	1.50	3.09	1.66
BARTENDERS	.00	.00	.00	.00	1.40	1.64	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.00	.00	.12	.11	2.58	3.58	1.60	.91	1.84	.79
COUNTER AND FOUNTAIN WKRS	.00	.00	.35	.41	.67	.70	.48	.38	.72	.58
WAITERS AND WAITRESSES	.00	.00	.74	.96	6.06	7.50	.38	.21	.53	.28
OTHER SERVICE WORKERS	.32	.54	16.17	10.85	25.13	21.44	34.26	39.85	41.32	45.56
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.00	.00	.00	.00	17.61	22.33	22.61	28.15
CHARWOMEN AND CLEANERS	.08	.17	.94	.91	.52	.66	.91	.85	.75	.52
JANITORS AND SEXTONS	.17	.30	2.08	1.39	3.65	4.30	.92	.75	1.06	.71
NURSES,PRACTICAL	.00	.00	.01	.00	.03	.03	7.13	10.13	6.38	8.23
SERVICE WORKERS,NEC	.06	.06	13.13	8.35	20.94	16.45	7.69	5.78	10.51	7.94
LABORERS,EXCEPT FARM AND MINE	2.19	2.07	.88	.80	8.25	7.77	.50	.31	.57	.19
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	43.53	39.[illegible]	56.33	51.61	65.46	56.96	32.18	35.5[illegible]	38.11	39.22
ENGINEERS,TECHNICAL	.08	.07	.00	.00	.32	.28	.06	.12	.03	.03
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00	.03	.02	.00	.02	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
ENGINEERS,CIVIL	.01	.01	.00	.00	.02	.03	.02	.03	.01	.01
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	.10	.08	.00	.00	.00	.00
ENGINEERS,INDUSTRIAL	.00	.00	.00	.00	.01	.01	.03	.04	.01	.02
ENGINEERS,MECHANICAL	.03	.02	.00	.00	.09	.05	.00	.00	.00	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.05	.03	.00	.00	.03	.07	.01	.02	.00	.00
NATURAL SCIENTISTS	.45	.35	.00	.00	1.13	1.08	.10	.10	.12	.12
CHEMISTS	.09	.07	.00	.00	.15	.20	.09	.10	.12	.12
AGRICULTURAL SCIENTISTS	.01	.02	.00	.00	.14	.10	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.21	.17	.00	.00	.24	.24	.00	.00	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.08	.09	.00	.00	.00	.00
PHYSICISTS	.00	.00	.00	.00	.17	.18	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.13	.09	.00	.00	.29	.24	.00	.00	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.02	.03	.00	.00	.83	.85	.11	.10	.01	.01
DRAFTSMEN	.00	.00	.00	.00	.03	.02	.02	.02	.01	.01
SURVEYORS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
TECHNICIANS,OTHER	.02	.03	.00	.00	.78	.82	.08	.08	.00	.00
MEDICAL,OTHER HEALTH WORKERS	40.96	36.96	.10	.19	.99	1.16	.66	1.00	.80	1.20
DENTISTS	5.58	4.84	.02	.08	.01	.01	.04	.09	.05	.12
DIETETIANS,NUTRITIONISTS	.28	.28	.00	.00	.08	.06	.08	.11	.08	.12
NURSES,PROFESSIONAL	11.63	8.48	.02	.02	.35	.43	.30	.43	.40	.54
OPTOMETRISTS	.86	.78	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.75	.69	.00	.00	.00	.01	.00	.00	.00	.00
PHARMACISTS	.13	.11	.00	.00	.01	.02	.01	.01	.02	.02
PHYSICIANS AND SURGEONS	12.25	12.14	.06	.07	.07	.08	.06	.11	.07	.13
PSYCHOLOGISTS	.22	.23	.00	.00	.29	.38	.05	.06	.07	.08
TECHNICIANS,MEDICAL,DENTAL	5.73	5.78	.00	.01	.09	.08	.04	.06	.04	.07
VETERINARIANS	.02	.02	.00	.00	.02	.02	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	3.50	3.61	.00	.00	.07	.07	.08	.12	.07	.13
TEACHERS	.13	.12	.01	.02	49.17	36.53	.65	.84	.59	.65
TEACHERS,ELEMENTARY	.00	.00	.00	.00	20.45	13.74	.25	.26	.33	.34
TEACHERS,SECONDARY	.00	.00	.00	.00	16.49	11.90	.10	.15	.13	.19
TEACHERS,COLLEGE	.00	.00	.00	.00	8.99	7.80	.00	.00	.00	.00
TEACHERS,OTHER	.13	.12	.01	.02	3.23	3.09	.30	.43	.13	.12
SOCIAL SCIENTISTS	.06	.06	.00	.00	.07	.10	.10	.10	.08	.09
ECONOMISTS	.01	.01	.00	.00	.02	.02	.01	.00	.00	.00
STATISTICIANS + ACTUARIES	.04	.03	.00	.00	.02	.02	.05	.06	.03	.05
OTHER SOCIAL SCIENTISTS	.01	.02	.00	.00	.04	.06	.04	.04	.05	.04
OTHER PROF,TECH AND KINDRED	1.83	1.90	56.22	51.40	12.96	16.96	30.49	33.28	36.47	37.12
ACCOUNTANTS AND AUDITORS	.06	.06	.34	.56	.09	.09	.27	.38	.23	.34
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.02	.04	.05	.10	.07	.13
ARCHITECTS	.00	.00	.01	.02	.01	.01	.04	.05	.05	.06
WRKRS IN ARTS,ENTERTAINMNT	.04	.03	.02	.05	6.36	5.82	3.20	3.06	3.57	3.22
CLERGYMEN	.06	.03	.00	.00	.04	.08	12.22	11.50	16.56	14.87
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.01	.02	.01	.01	.00	.00	.00	.00
EDITORS AND REPORTERS	.01	.00	.00	.02	.05	.04	.18	.15	.11	.11
LAWYERS AND JUDGES	.18	.20	54.94	49.52	.01	.01	.15	.14	.08	.07
LIBRARIANS	.02	.02	.03	.03	1.78	1.70	.11	.10	.12	.10
PERSONNEL AND LAB REL WRKS	.13	.16	.02	.03	.09	.15	.16	.21	.14	.21
PHOTOGRAPHERS	.09	.05	.00	.02	.04	.04	.03	.03	.03	.03
SOCIAL AND WELFARE WORKERS	.47	.66	.00	.00	.19	.21	1.92	1.81	2.40	2.17
PROF,TECH,KINDRED,NEC	.77	.78	.86	1.14	4.26	8.76	12.15	15.76	13.10	15.82
MANAGERS,OFFICIALS,PROPRIETORS	2.77	2.70	.75	.94	3.09	4.23	8.32	7.66	3.70	3.99
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.02	.02	.00	.00	.08	.07	.07	.06	.06	.05
MANAGERS,OFFICE,PROP. NEC	2.73	2.66	.75	.94	3.01	4.16	8.25	7.60	3.64	3.94

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	26.62	23.46	42.12	46.60	12.03	17.60	25.45	24.20	21.82	21.09
STENOS, TYPISTS, SECRETARIES	7.73	6.49	36.11	40.80	5.79	8.39	15.73	14.68	14.70	13.86
OFFICE MACHINE OPERATORS	.13	.20	.04	.04	.16	.26	.26	.40	.19	.28
OTHER CLERICAL, KINDRED WRKRS	18.77	16.76	5.98	5.77	6.08	8.94	9.45	9.11	6.93	6.94
ACCOUNTING CLERKS	.12	.10	.14	.17	.21	.23	.19	.20	.16	.18
BOOKKEEPERS, HAND	1.01	.78	1.18	1.14	.19	.22	1.72	1.71	1.37	1.43
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.03	.02	.01	.01	.36	.35	.29	.26	.17	.19
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.01	.01	.00	.00	.02	.01	.07	.07	.06	.06
TELEPHONE OPERATORS	.08	.05	.22	.19	.24	.34	.29	.34	.25	.29
CLERICAL AND KINDRED, NEC	17.51	15.81	4.42	4.26	5.07	7.79	6.90	6.54	4.92	4.80
SALES WORKERS	.04	.01	.04	.05	.17	.20	.75	.90	.76	.95
CRAFTSMEN, FOREMEN AND KINDRED	1.56	1.21	.04	.06	3.25	2.77	3.20	3.51	3.41	3.83
CONSTRUCTION CRAFTSMEN	.17	.19	.02	.04	.67	.73	.71	.92	.67	.91
CARPENTERS	.08	.09	.01	.01	.22	.24	.28	.35	.30	.38
BRICKMASONS AND TILE SETRS	.00	.00	.00	.00	.02	.03	.03	.05	.02	.04
CEMENT, CONCRETE FINISHERS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
ELECTRICIANS	.02	.02	.00	.00	.13	.14	.10	.11	.05	.07
EXCAVATNG, GRADNG MACH OPER	.01	.02	.00	.00	.01	.02	.02	.04	.02	.05
PAINTERS AND PAPERHANGERS	.04	.03	.01	.02	.18	.17	.17	.25	.22	.30
PLASTERERS	.00	.00	.00	.00	.01	.01	.02	.01	.00	.00
PLUMBERS AND PIPEFITTERS	.02	.03	.00	.00	.08	.11	.07	.10	.04	.07
ROOFERS AND SLATERS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
FOREMEN NEC	.13	.11	.00	.00	.40	.17	.14	.14	.17	.17
METALWKNG CRAFTS EXC MECH	.03	.03	.00	.00	.07	.07	.01	.01	.01	.00
MACHINISTS AND RELATED OCC	.01	.01	.00	.00	.05	.05	.00	.00	.01	.00
BLKSMITHS, FORGMN, HAMMERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BOILERMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING TRADES CRAFTSMEN	.01	.02	.00	.00	.05	.06	.09	.11	.09	.12
COMPOSITORS, TYPESETTERS	.01	.02	.00	.00	.05	.06	.06	.07	.07	.09
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.00	.00	.00	.00	.00	.00	.03	.03	.02	.03
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	.43	.32	.01	.01	1.65	1.36	1.70	1.74	1.94	2.00
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.03	.04	.00	.00	.00	.00
MOTOR VEHICLE MECHANICS	.03	.00	.00	.00	.06	.05	.01	.01	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
RADIO AND TV MECHANICS	.00	.00	.00	.00	.01	.01	.03	.03	.04	.04
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	.43	.32	.01	.01	1.54	1.25	1.66	1.71	1.89	1.96

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER MEDICAL AND HEALTH SERVICES		LEGAL SERVICES		EDUCATIONAL SERVICES		NONPROFIT MEMBER ORGANIZATIONS		WELFARE AND RELIGIOUS ORGANIZATIONS	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.78	.54	.01	.01	.42	.39	.54	.59	.54	.64
BAKERS	.01	.01	.00	.00	.11	.15	.05	.04	.04	.04
CABINETMAKERS	.00	.00	.00	.00	.02	.01	.05	.06	.07	.08
CRANE,DERRICK,HOIST MEN	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.18	.19	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.52	.31	.00	.00	.01	.00	.04	.03	.02	.02
UPHOLSTERERS	.00	.00	.00	.00	.01	.02	.07	.10	.09	.13
CRAFTSMEN AND KINDRED NEC	.07	.02	.01	.01	.26	.21	.32	.34	.31	.36
OPERATIVES AND KINDRED WORKERS	.88	.58	.05	.06	1.79	1.95	2.55	2.64	2.88	2.96
DRIVERS AND DELIVERYMEN	.15	.07	.03	.03	1.08	1.29	.62	.72	.73	.84
DRIVERS,BUS,TRUCK,TRACTOR	.06	.03	.00	.00	1.04	1.24	.55	.65	.66	.78
DELIVERYMEN AND ROUTEMEN	.09	.05	.03	.03	.05	.05	.07	.07	.07	.06
TRANSP AND PUB UTIL OPERATVS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	.73	.50	.02	.02	.69	.64	1.91	1.90	2.15	2.12
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.00	.00	.01	.01	.04	.03	.03	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.24	.22	.00	.00	.11	.12	.48	.49	.62	.61
MEAT CUTTERS,EXC MEATPCKNG	.02	.02	.00	.00	.02	.03	.02	.02	.02	.02
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	.46	.27	.02	.02	.54	.48	1.38	1.35	1.49	1.46
SERVICE WORKERS	24.22	32.38	.61	.65	13.40	15.59	25.82	23.96	27.47	26.13
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.08	.05	.03	.03	.25	.28	.43	.44	.29	.32
FIREMEN	.01	.01	.00	.00	.00	.00	.03	.06	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.06	.03	.00	.00	.19	.18	.36	.34	.28	.31
POLICE,OTH LAW ENFORCE OFF	.01	.01	.03	.03	.07	.10	.04	.04	.01	.01
FOOD SERVICE WORKERS	1.41	1.27	.00	.00	4.26	5.39	3.77	3.18	2.29	2.02
BARTENDERS	.00	.00	.00	.00	.00	.00	.34	.13	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	1.20	1.08	.00	.00	2.34	2.86	1.67	1.32	1.50	1.12
COUNTER AND FOUNTAIN WKRS	.09	.08	.00	.00	1.31	1.72	.23	.24	.15	.16
WAITERS AND WAITRESSES	.13	.11	.00	.00	.61	.81	1.54	1.49	.64	.74
OTHER SERVICE WORKERS	22.73	31.06	.58	.62	8.89	9.92	21.61	20.34	24.88	23.79
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	9.42	13.36	.00	.00	.23	.35	1.46	1.35	1.91	1.68
CHARWOMEN AND CLEANERS	1.19	1.36	.24	.24	.34	.44	.71	.77	.73	.81
JANITORS AND SEXTONS	.69	.82	.21	.30	4.38	4.62	9.08	9.13	11.01	10.83
NURSES,PRACTICAL	8.35	13.06	.01	.01	.03	.03	.63	.41	.84	.52
SERVICE WORKERS,NEC	3.08	2.46	.11	.06	3.90	4.49	9.74	8.68	10.40	9.96
LABORERS,EXCEPT FARM AND MINE	.38	.19	.06	.04	.81	.71	1.73	1.59	1.86	1.83
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	7. RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	15.43	22.99	.12	.10	67.06	70.16	82.40	78.33	53.83	65.15
ENGINEERS,TECHNICAL	.17	.43	.00	.00	13.36	15.33	30.95	28.79	.23	.23
ENGINEERS,AERONAUTICAL	.01	.10	.00	.00	.06	.09	.09	.12	.00	.00
ENGINEERS,CHEMICAL	.01	.02	.00	.00	.30	.28	.55	.41	.00	.00
ENGINEERS,CIVIL	.05	.08	.00	.00	4.08	3.71	10.06	7.44	.01	.00
ENGINEERS,ELECTRICAL	.00	.00	.00	.00	1.56	1.80	3.35	3.11	.02	.00
ENGINEERS,INDUSTRIAL	.07	.14	.00	.00	.60	.77	1.27	1.32	.13	.16
ENGINEERS,MECHANICAL	.01	.02	.00	.00	2.01	2.27	4.66	4.26	.01	.00
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00	.24	.25	.16	.14	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00	.20	.17	.47	.33	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.08	.00	.00	4.32	6.00	10.34	11.66	.06	.07
NATURAL SCIENTISTS	.02	.03	.00	.00	1.9[illegible]	2.34	1.14	1.10	.00	.00
CHEMISTS	.00	.01	.00	.00	.14	.14	.19	.15	.00	.00
AGRICULTURAL SCIENTISTS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
BIOLOGICAL SCIENTISTS	.01	.01	.00	.00	.46	.54	.03	.04	.00	.00
GEOLOGISTS,GEOPHYSICISTS	.00	.00	.00	.00	.18	.20	.25	.24	.00	.00
MATHEMATICIANS	.00	.00	.00	.00	.53	.70	.38	.31	.00	.00
PHYSICISTS	.00	.00	.00	.00	.30	.35	.22	.28	.00	.00
OTHER NATURAL SCIENTISTS	.00	.00	.00	.00	.30	.40	.06	.09	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	.38	.39	.00	.00	15.91	16.71	37.70	31.93	.01	.05
DRAFTSMEN	.04	.04	.00	.00	10.46	10.97	25.80	22.00	.01	.05
SURVEYORS	.00	.00	.00	.00	2.91	2.78	7.17	5.57	.00	.00
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO OPERATORS	.02	.02	.00	.00	.00	.00	.01	.00	.00	.00
TECHNICIANS,OTHER	.31	.33	.00	.00	2.53	2.95	4.72	4.36	.00	.00
MEDICAL,OTHER HEALTH WORKERS	.27	.34	.07	.06	.69	.68	.04	.06	.00	.00
DENTISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
DIETITIANS,NUTRITIONISTS	.08	.10	.00	.00	.01	.01	.01	.03	.00	.00
NURSES,PROFESSIONAL	.03	.05	.06	.05	.05	.07	.01	.02	.00	.00
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
PHYSICIANS AND SURGEONS	.03	.04	.00	.00	.09	.12	.00	.01	.00	.00
PSYCHOLOGISTS	.00	.00	.00	.00	.40	.31	.00	.00	.00	.00
TECHNICIANS,MEDICAL,DENTAL	.03	.03	.00	.00	.10	.11	.00	.00	.00	.00
VETERINARIANS	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER MEDICAL,HEALTH WRKRS	.11	.12	.00	.01	.02	.03	.00	.00	.00	.00
TEACHERS	.81	1.50	.02	.02	.07	.09	.04	.07	.00	.00
TEACHERS,ELEMENTARY	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
TEACHERS,SECONDARY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.81	1.50	.01	.01	.07	.09	.04	.07	.00	.00
SOCIAL SCIENTISTS	.14	.12	.00	.00	.27	.27	.05	.07	.00	.00
ECONOMISTS	.02	.01	.00	.00	.09	.09	.01	.01	.00	.00
STATISTICIANS + ACTUARIES	.09	.08	.00	.00	.13	.12	.04	.06	.00	.00
OTHER SOCIAL SCIENTISTS	.03	.04	.00	.00	.05	.06	.00	.00	.00	.00
OTHER PROF,TECH AND KINDRED	13.64	20.18	.03	.02	34.84	34.75	12.49	16.30	53.58	64.87
ACCOUNTANTS AND AUDITORS	.38	.50	.00	.00	18.39	18.48	.37	.91	53.28	64.53
AIRPLANE PILOTS,NAVIGATORS	.00	.00	.00	.00	.06	.35	.12	.67	.00	.00
ARCHITECTS	.01	.01	.00	.00	3.17	3.81	7.62	7.53	.06	.11
WRKRS IN ARTS,ENTERTAINMNT	2.18	2.52	.01	.01	7.44	4.14	.45	.54	.01	.02
CLERGYMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.00	.00	1.40	1.99	2.73	3.36	.03	.06
EDITORS AND REPORTERS	.37	.30	.00	.00	.25	.24	.08	.18	.00	.00
LAWYERS AND JUDGES	.34	.36	.00	.00	.13	.13	.09	.09	.08	.03
LIBRARIANS	.09	.10	.00	.00	.07	.09	.02	.06	.02	.01
PERSONNEL AND LAB REL WRKS	.20	.22	.00	.00	.11	.14	.04	.06	.03	.04
PHOTOGRAPHERS	.03	.03	.00	.00	.21	.22	.06	.15	.00	.00
SOCIAL AND WELFARE WORKERS	.57	.59	.00	.00	.16	.17	.00	.00	.02	.04
PROF,TECH,KINDRED,NEC	9.46	15.54	.01	.01	3.46	5.01	.92	2.75	.05	.03
MANAGERS,OFFICIALS,PROPRIETORS	21.36	20.19	.04	.03	3.50	3.56	3.08	3.84	2.53	1.30
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CREDITMEN	.01	.01	.00	.00	.01	.00	.00	.00	.02	.01
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.04	.03	.00	.00	.00	.00	.00	.00
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PURCHASING AGENTS	.10	.10	.00	.00	.12	.12	.15	.15	.00	.00
MANAGERS,OFFICE,PROP. NEC	21.23	20.07	.00	.00	3.37	3.44	2.93	3.69	2.51	1.29

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	35.69	34.80	.22	.26	23.35	19.54	9.03	11.28	42.84	32.88
STENOS, TYPISTS, SECRETARIES	18.64	17.50	.15	.18	10.28	8.79	5.25	6.69	16.74	11.96
OFFICE MACHINE OPERATORS	.48	.79	.00	.00	.64	.88	.23	.43	.57	.88
OTHER CLERICAL, KINDRED WRKRS	16.56	16.51	.07	.09	12.43	9.87	3.54	4.16	25.54	20.03
ACCOUNTING CLERKS	.27	.28	.00	.00	.52	.42	.27	.19	.83	.76
BOOKKEEPERS, HAND	2.69	2.68	.00	.01	6.57	4.27	.26	.19	18.78	14.83
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.60	.51	.00	.00	.04	.04	.02	.03	.04	.03
MAIL CARRIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.09	.09	.00	.00	.03	.04	.02	.02	.00	.00
TELEPHONE OPERATORS	.41	.49	.00	.00	.17	.16	.08	.00	.17	.24
CLERICAL AND KINDRED, NEC	12.51	12.47	.06	.08	5.10	4.94	2.90	3.72	5.71	4.18
SALES WORKERS	.72	.75	.00	.00	.48	.49	.21	.15	.20	.12
CRAFTSMEN, FOREMEN AND KINDRED	2.62	2.41	.30	.27	2.37	2.85	2.59	3.22	.16	.11
CONSTRUCTION CRAFTSMEN	.85	.95	.17	.18	.42	.58	.35	.51	.02	.01
CARPENTERS	.20	.21	.09	.10	.06	.10	.08	.12	.00	.00
BRICKMASONS AND TILE SETRS	.06	.10	.00	.00	.00	.01	.01	.02	.00	.00
CEMENT, CONCRETE FINISHERS	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICIANS	.21	.26	.00	.00	.12	.17	.12	.17	.00	.00
EXCAVATNG, GRADNG MACH OPER	.02	.02	.00	.00	.02	.03	.05	.05	.00	.00
PAINTERS AND PAPERHANGERS	.06	.06	.08	.08	.17	.19	.03	.04	.02	.01
PLASTERERS	.07	.04	.00	.00	.00	.00	.00	.00	.00	.00
PLUMBERS AND PIPEFITTERS	.15	.20	.00	.00	.05	.07	.06	.09	.00	.00
ROOFERS AND SLATERS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL METALWORKERS	.02	.02	.00	.00	.00	.01	.01	.02	.00	.00
FOREMEN NEC	.05	.04	.00	.00	.34	.34	.34	.36	.05	.02
METALWKNG CRAFTS EXC MECH	.04	.04	.00	.00	.10	.12	.14	.16	.00	.00
MACHINISTS AND RELATED OCC	.00	.00	.00	.00	.02	.01	.03	.01	.00	.00
BLKSMITHS, FURGMN, HAMMERMEN	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
BOILERMAKERS	.01	.01	.00	.00	.00	.01	.01	.01	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MILLWRIGHTS	.01	.01	.00	.00	.01	.01	.01	.01	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.01	.01	.00	.00	.01	.02	.02	.02	.00	.00
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.00	.00	.02	.03	.05	.06	.00	.00
TOOLMAKERS AND DIEMAKERS	.00	.00	.00	.00	.03	.03	.03	.04	.00	.00
PRINTING TRADES CRAFTSMEN	.08	.06	.00	.00	.07	.10	.07	.11	.02	.02
COMPOSITORS, TYPESETTERS	.03	.01	.00	.00	.03	.05	.04	.07	.02	.02
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRESSMEN, PLATE PRINTERS	.05	.05	.00	.00	.02	.04	.01	.01	.00	.00
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
LINEMEN AND SERVICEMEN	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
LOCOMOTIVE ENGINEERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	1.05	.88	.11	.08	.66	.77	.48	.65	.04	.03
AIRPLANE MECH AND REPAIRMN	.00	.00	.00	.00	.03	.05	.02	.03	.00	.00
MOTOR VEHICLE MECHANICS	.03	.02	.00	.00	.08	.09	.01	.02	.00	.00
OFFICE MACHINE MECHANICS	.00	.00	.00	.00	.01	.01	.00	.00	.02	.02
RADIO AND TV MECHANICS	.01	.01	.00	.00	.02	.02	.01	.02	.00	.00
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	1.01	.84	.11	.08	.51	.59	.43	.58	.03	.02

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	OTHER NONPROFIT ORGANIZATIONS		PRIVATE HOUSEHOLDS		OTHER PROFESSIONAL AND RELATED SERVICES		ENGINEERING AND ARCHITECTURAL SERVICES		ACCOUNTING AND BOOKKEEPING SERVICES	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	.55	.44	.01	.01	.77	.94	1.20	1.43	.03	.02
BAKERS	.07	.05	.00	.00	.00	.00	.00	.00	.00	.00
CABINETMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRANE,DERRICK,HOIST MEN	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
GLAZIERS	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.01	.01	.02	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.11	.07	.00	.00	.00	.00	.00	.00	.00	.00
UPHOLSTERERS	.00	.00	.00	.00	.06	.03	.07	.03	.00	.00
CRAFTSMEN AND KINDRED NEC	.35	.28	.01	.01	.69	.88	1.11	1.37	.03	.02
OPERATIVES AND KINDRED WORKERS	1.64	1.53	.44	.31	2.05	2.09	1.91	2.19	.14	.10
DRIVERS AND DELIVERYMEN	.30	.29	.31	.24	.10	.12	.13	.16	.00	.00
DRIVERS,BUS,TRUCK,TRACTOR	.22	.20	.01	.00	.06	.07	.09	.12	.00	.00
DELIVERYMEN AND ROUTEMEN	.08	.09	.30	.23	.04	.04	.04	.05	.00	.00
TRANSP AND PUB UTIL OPERATVS	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAILORS AND DECKHANDS	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
SEMISKILLED METALWORKING OCC	.07	.07	.00	.00	.05	.09	.10	.16	.00	.00
FURNACEMN,SMELTRMN,POURERS	.02	.00	.00	.00	.00	.01	.01	.03	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.07	.07	.00	.00	.05	.08	.09	.14	.00	.00
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	1.26	1.16	.13	.07	1.89	1.88	1.67	1.87	.14	.10
ASBESTOS,INSULATION WRKS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.06	.07	.00	.00	.00	.00	.00	.00	.00	.00
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.10	.10	.00	.00	.03	.03	.00	.00	.00	.00
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	1.08	.97	.13	.07	1.86	1.85	1.67	1.87	.14	.10
SERVICE WORKERS	21.17	16.57	90.06	94.36	.97	1.10	.55	.80	.29	.33
PRIVATE HOUSEHOLD WORKERS	.00	.00	87.48	92.09	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.82	.86	.01	.01	.27	.30	.08	.12	.00	.00
FIREMEN	.13	.28	.00	.00	.02	.02	.00	.00	.00	.00
GUARDS,WATCHMEN,DOORKEEPRS	.58	.47	.01	.01	.21	.21	.06	.07	.00	.00
POLICE,OTH LAW ENFORCE OFF	.10	.11	.00	.00	.04	.07	.02	.06	.00	.00
FOOD SERVICE WORKERS	7.96	7.15	.01	.01	.08	.08	.00	.00	.00	.00
BARTENDERS	1.28	.59	.00	.00	.01	.01	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	2.16	2.02	.00	.00	.03	.03	.00	.00	.00	.00
COUNTER AND FOUNTAIN WKRS	.43	.50	.00	.00	.03	.02	.00	.00	.00	.00
WAITERS AND WAITRESSES	4.09	4.04	.01	.01	.02	.02	.00	.00	.00	.00
OTHER SERVICE WORKERS	12.39	8.56	2.57	2.25	.62	.71	.47	.68	.29	.33
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.16	.25	.19	.18	.00	.00	.01	.00	.00	.00
CHARWOMEN AND CLEANERS	.64	.66	.12	.08	.11	.14	.06	.09	.16	.19
JANITORS AND SEXTONS	3.66	3.33	.19	.11	.23	.27	.21	.26	.08	.10
NURSES,PRACTICAL	.04	.04	2.02	.10	.02	.02	.00	.01	.00	.00
SERVICE WORKERS,NEC	7.90	4.28	.05	1.78	.26	.28	.18	.32	.06	.05
LABORERS,EXCEPT FARM AND MINE	1.38	.77	8.82	4.67	.22	.21	.24	.18	.01	.01
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	60.60	58.75	15.83	19.35	16.90	20.75	.90	1.14	24.08	30.56
ENGINEERS,TECHNICAL	3.30	4.59	1.74	1.84	2.43	2.94	.07	.06	3.49	4.39
ENGINEERS,AERONAUTICAL	.09	.11	.21	.31	.41	.66	.00	.00	.59	1.00
ENGINEERS,CHEMICAL	.29	.32	.02	.02	.03	.05	.00	.00	.04	.07
ENGINEERS,CIVIL	.14	.18	.56	.52	.37	.40	.00	.00	.53	.59
ENGINEERS,ELECTRICAL	.78	1.11	.39	.42	.76	.82	.01	.00	1.01	1.22
ENGINEERS,INDUSTRIAL	.19	.32	.08	.10	.09	.12	.02	.01	.13	.18
ENGINEERS,MECHANICAL	.52	.73	.16	.18	.27	.35	.01	.01	.38	.52
ENGINEERS,METALLURG,ETC	.66	.79	.01	.01	.02	.02	.00	.00	.03	.03
ENGINEERS,MINING	.04	.04	.02	.01	.03	.02	.00	.00	.05	.03
OTHER ENGINEERS,TECHNICAL	.59	.98	.30	.26	.52	.51	.03	.04	.74	.74
NATURAL SCIENTISTS	5.63	7.71	1.20	1.37	1.78	2.[illegible]	.00	.00	2.58	3.41
CHEMISTS	.24	.28	.12	.20	.19	.36	.00	.00	.28	.55
AGRICULTURAL SCIENTISTS	.04	.04	.35	.36	.46	.48	.00	.00	.67	.72
BIOLOGICAL SCIENTISTS	1.70	2.22	.22	.24	.22	.29	.00	.00	.32	.44
GEOLOGISTS,GEOPHYSICISTS	.29	.36	.06	.06	.10	.10	.00	.00	.14	.15
MATHEMATICIANS	1.46	2.35	.13	.10	.24	.21	.00	.00	.34	.32
PHYSICISTS	.83	.93	.11	.17	.21	.36	.00	.00	.30	.54
OTHER NATURAL SCIENTISTS	1.07	1.53	.22	.25	.37	.47	.00	.00	.54	.71
TECHNICIANS,EXC MEDICAL,DENT	2.97	4.07	2.74	2.64	4.13	3.97	.04	.03	5.97	5.94
DRAFTSMEN	.39	.47	.15	.19	.15	.19	.01	.01	.21	.28
SURVEYORS	.14	.15	.10	.09	.04	.05	.00	.00	.06	.08
AIR TRAFFIC CONTROLLERS	.00	.00	.45	.44	.88	.95	.00	.00	1.28	1.43
RADIO OPERATORS	.00	.00	.24	.29	.15	.11	.00	.00	.21	.17
TECHNICIANS,OTHER	2.44	3.45	1.79	1.62	2.91	2.66	.03	.02	4.20	3.98
MEDICAL,OTHER HEALTH WORKERS	2.59	2.79	.37	.40	.37	.43	.03	.03	.52	.62
DENTISTS	.03	.05	.01	.02	.01	.02	.00	.00	.02	.03
DIETITIANS,NUTRITIONISTS	.01	.00	.02	.02	.02	.03	.02	.02	.02	.03
NURSES,PROFESSIONAL	.17	.25	.07	.06	.05	.05	.00	.00	.07	.07
OPTOMETRISTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PHARMACISTS	.04	.05	.03	.03	.02	.02	.00	.00	.03	.03
PHYSICIANS AND SURGEONS	.32	.50	.05	.07	.05	.07	.00	.00	.07	.11
PSYCHOLOGISTS	1.54	1.33	.07	.08	.02	.01	.00	.00	.02	.02
TECHNICIANS,MEDICAL,DENTAL	.38	.45	.04	.05	.07	.08	.00	.00	.10	.12
VETERINARIANS	.02	.03	.07	.07	.12	.13	.00	.00	.17	.20
OTHER MEDICAL,HEALTH WRKRS	.08	.13	.01	.01	.01	.01	.00	.00	.01	.02
TEACHERS	.20	.21	.33	.29	.40	.34	.07	.06	.54	.49
TEACHERS,ELEMENTARY	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01
TEACHERS,SECONDARY	.00	.00	.03	.02	.04	.03	.00	.00	.05	.05
TEACHERS,COLLEGE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEACHERS,OTHER	.20	.21	.30	.26	.36	.31	.07	.06	.48	.43
SOCIAL SCIENTISTS	.98	1.01	.38	.39	.55	.63	.01	.00	.79	.94
ECONOMISTS	.31	.37	.14	.16	.22	.29	.00	.00	.31	.43
STATISTICIANS + ACTUARIES	.45	.39	.15	.14	.19	.20	.00	.00	.28	.30
OTHER SOCIAL SCIENTISTS	.21	.24	.09	.09	.14	.14	.00	.00	.20	.21
OTHER PROF,TECH AND KINDRED	44.94	38.38	9.07	12.41	7.24	10.17	.68	.96	10.19	14.77
ACCOUNTANTS AND AUDITORS	.92	1.50	1.42	1.95	1.52	2.32	.08	.24	2.17	3.37
AIRPLANE PILOTS,NAVIGATORS	.04	.08	.10	.12	.14	.13	.00	.00	.20	.20
ARCHITECTS	.34	.27	.04	.02	.04	.03	.01	.00	.06	.05
WRKRS IN ARTS,ENTERTAINMNT	27.82	16.60	.18	.16	.24	.22	.01	.00	.34	.33
CLERGYMEN	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
DESIGNERS,EXC DESIGN DRAFT	1.15	1.33	.02	.02	.02	.02	.00	.00	.02	.03
EDITORS AND REPORTERS	.82	.67	.09	.07	.14	.12	.00	.00	.20	.17
LAWYERS AND JUDGES	.26	.31	.96	.84	.64	.65	.01	.00	.93	.97
LIBRARIANS	.20	.24	.05	.05	.07	.07	.00	.00	.10	.10
PERSONNEL AND LAB REL WRKS	.31	.42	1.06	1.35	.73	.92	.23	.33	.95	1.22
PHOTOGRAPHERS	.70	.62	.09	.06	.13	.09	.00	.00	.19	.13
SOCIAL AND WELFARE WORKERS	.59	.67	2.31	2.88	.08	.07	.00	.00	.11	.11
PROF,TECH,KINDRED,NEC	11.79	15.66	2.74	4.88	3.49	5.51	.34	.38	4.91	8.08
MANAGERS,OFFICIALS,PROPRIETORS	5.39	5.64	9.56	9.63	7.68	7.65	6.81	6.03	8.08	8.45
CONDUCTORS,RAILROAD	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
CREDITMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.01	.01	.01	.01	.01	.01	.00	.00	.02	.02
POSTMASTERS AND ASSISTANTS	.00	.00	.79	.62	1.54	1.33	4.97	4.00	.00	.00
PURCHASING AGENTS	.21	.20	.24	.21	.30	.27	.00	.00	.44	.40
MANAGERS,OFFICE,PROP. NEC	5.18	5.42	8.51	8.78	5.82	6.03	1.83	2.03	7.61	8.02

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	20.14	21.32	41.45	38.46	54.29	52.79	81.75	82.03	41.95	38.17
STENOS, TYPISTS, SECRETARIES	9.66	9.49	8.70	8.24	7.84	7.13	.39	.32	11.18	10.53
OFFICE MACHINE OPERATORS	1.37	1.83	1.14	1.39	1.04	1.09	.06	.1[illegible]	1.49	1.56
OTHER CLERICAL, KINDRED WRKRS	9.11	10.00	31.62	28.83	45.41	44.57	81.30	81.56	29.28	26.07
ACCOUNTING CLERKS	.50	.51	1.19	1.09	1.15	.96	.55	.44	1.41	1.22
BOOKKEEPERS, HAND	.45	.48	.00	.00	.00	.00	.00	.00	.00	.00
BANK TELLERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CASHIERS	.08	.08	.23	.21	.12	.10	.00	.00	.18	.15
MAIL CARRIERS	.00	.00	5.74	5.67	11.19	12.19	36.08	36.57	.00	.00
POSTAL CLERKS	.00	.00	6.78	6.74	13.22	14.50	42.62	43.50	.00	.00
SHIPPING, RECEIVING CLERKS	.09	.11	.08	.07	.13	.13	.00	.00	.19	.19
TELEPHONE OPERATORS	.31	.39	.27	.28	.22	.23	.03	.01	.30	.33
CLERICAL AND KINDRED, NEC	7.68	8.43	17.32	14.76	19.39	16.47	2.02	1.04	27.20	24.19
SALES WORKERS	1.27	1.66	.10	.10	.08	.08	.00	.00	.11	.12
CRAFTSMEN, FOREMEN AND KINDRED	4.89	5.31	8.40	7.59	10.01	9.17	1.56	1.57	13.80	12.97
CONSTRUCTION CRAFTSMEN	1.06	1.41	1.83	1.76	2.30	2.24	.06	.05	3.31	3.33
CARPENTERS	.11	.17	.30	.23	.40	.30	.01	.01	.58	.45
BRICKMASONS AND TILE SETRS	.00	.00	.03	.03	.02	.03	.00	.00	.04	.04
CEMENT, CONCRETE FINISHERS	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01
ELECTRICIANS	.30	.38	.60	.56	.89	.86	.03	.02	1.27	1.29
EXCAVATNG, GRADNG MACH OPER	.00	.00	.24	.27	.19	.20	.00	.00	.28	.30
PAINTERS AND PAPERHANGERS	.57	.73	.36	.35	.40	.39	.02	.02	.57	.57
PLASTERERS	.00	.00	.01	.02	.01	.01	.00	.00	.01	.01
PLUMBERS AND PIPEFITTERS	.08	.13	.24	.28	.35	.41	.00	.00	.50	.62
ROOFERS AND SLATERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
STRUCTURAL METALWORKERS	.00	.00	.01	.01	.02	.01	.00	.00	.03	.02
FOREMEN NEC	.73	.68	.93	.76	.92	.72	.08	.06	1.30	1.05
METALWKNG CRAFTS EXC MECH	.18	.17	.60	.50	1.06	.92	.02	.01	1.53	1.38
MACHINISTS AND RELATED OCC	.01	.01	.32	.26	.53	.45	.00	.01	.77	.68
BLKSMITHS, FORGMN, HAMMERMEN	.03	.05	.01	.01	.01	.01	.00	.00	.01	.01
BOILERMAKERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
HEAT TREATERS, ANNEALERS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
MILLWRIGHTS	.03	.03	.01	.01	.01	.01	.00	.00	.02	.02
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.02	.02	.03	.02	.05	.04	.00	.00	.07	.07
ROLLERS AND ROLL HANDS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.20	.17	.38	.35	.01	.00	.55	.52
TOOLMAKERS AND DIEMAKERS	.08	.05	.03	.02	.05	.04	.00	.00	.08	.05
PRINTING TRADES CRAFTSMEN	.14	.19	.13	.11	.18	.17	.00	.00	.26	.26
COMPOSITORS, TYPESETTERS	.02	.03	.06	.06	.07	.08	.00	.00	.10	.11
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.03	.03	.01	.01	.02	.02	.00	.00	.03	.03
PHOTOENGRVRS, LITHOGRAPHERS	.00	.00	.02	.01	.03	.02	.00	.00	.04	.03
PRESSMEN, PLATE PRINTERS	.08	.13	.04	.03	.06	.06	.00	.00	.09	.09
TRANSPORT AND PUB UTIL CRAFT	.00	.00	.09	.10	.09	.08	.00	.00	.13	.13
LINEMEN AND SERVICEMEN	.00	.00	.08	.09	.08	.07	.00	.00	.12	.11
LOCOMOTIVE ENGINEERS	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
MECHANICS AND REPAIRMEN	1.73	1.88	4.10	3.80	4.70	4.38	.84	.88	6.43	6.13
AIRPLANE MECH AND REPAIRMN	.09	.14	.82	.74	1.43	1.36	.00	.00	2.07	2.04
MOTOR VEHICLE MECHANICS	.30	.35	.48	.45	.40	.36	.37	.37	.41	.35
OFFICE MACHINE MECHANICS	.02	.04	.01	.01	.02	.02	.00	.00	.02	.03
RADIO AND TV MECHANICS	.06	.05	.26	.25	.37	.35	.00	.00	.54	.52
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
OTHER MECHANICS AND REPAIR	1.26	1.30	2.52	2.34	2.48	2.28	.47	.51	3.38	3.17

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES C[illegible]NUED ON NEXT PAGE

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	ALL OTHER PROFESSIONAL SERVICES		TOTAL GOVERNMENT PUBLIC ADMINISTRATION		FEDERAL PUBLIC ADMINISTRATION		POSTAL SERVICE		OTHER FEDERAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.06	.98	.72	.55	.76	.64	.57	.57	.84	.68
BAKERS	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01
CABINETMAKERS	.00	.00	.02	.02	.03	.03	.00	.00	.05	.05
CRANE,DERRICK,HOIST MEN	.00	.00	.05	.03	.07	.05	.00	.00	.10	.07
GLAZIERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,OTHER	.12	.08	.00	.00	.00	.00	.00	.00	.00	.00
UPHOLSTERERS	.03	.04	.02	.01	.03	.03	.00	.00	.05	.04
CRAFTSMEN AND KINDRED NEC	.90	.86	.61	.47	.60	.52	.56	.57	.61	.50
OPERATIVES AND KINDRED WORKERS	4.74	4.23	3.28	2.62	3.73	2.90	1.25	1.18	4.84	3.77
DRIVERS AND DELIVERYMEN	.18	.15	1.06	.97	.93	.90	.85	.98	.97	.86
DRIVERS,BUS,TRUCK,TRACTOR	.09	.07	.95	.89	.83	.84	.85	.98	.82	.77
DELIVERYMEN AND ROUTEMEN	.10	.09	.11	.07	.10	.06	.00	.00	.15	.09
TRANSP AND PUB UTIL OPERATVS	.02	.02	.02	.02	.03	.02	.00	.00	.04	.04
BRAKEMEN AND SWITCHMEN RR	.00	.00	.01	.00	.01	.01	.00	.00	.01	.01
POWER STATION OPERATORS	.00	.00	.01	.01	.01	.01	.00	.00	.02	.02
SAILORS AND DECKHANDS	.02	.02	.01	.01	.01	.00	.00	.00	.01	.01
SEMISKILLED METALWORKING OCC	.04	.04	.12	.09	.20	.18	.00	.00	.29	.27
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.04	.04	.12	.09	.20	.18	.00	.00	.29	.27
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	4.49	4.02	2.08	1.54	2.56	1.80	.39	.20	3.53	2.61
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
ATTEND,AUTO SERVICE,PARKNG	.00	.00	.05	.04	.05	.05	.13	.10	.02	.02
BLASTERS AND POWDERMEN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.10	.14	.04	.03	.05	.04	.00	.00	.08	.05
MEAT CUTTERS,EXC MEATPCKNG	.00	.00	.02	.01	.03	.02	.00	.00	.04	.04
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	4.39	3.88	1.97	1.46	2.41	1.69	.26	.10	3.38	2.49
SERVICE WORKERS	2.51	2.61	17.59	19.15	3.10	2.96	.80	1.52	4.13	3.68
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	.90	1.05	15.20	16.91	1.54	1.27	.16	.14	2.16	1.84
FIREMEN	.07	.10	3.96	4.73	.37	.39	.00	.00	.54	.59
GUARDS,WATCHMEN,DOORKEEPRS	.73	.77	2.63	2.38	.60	.29	.15	.14	.80	.37
POLICE,OTH LAW ENFORCE OFF	.11	.17	8.61	9.81	.56	.59	.01	.01	.81	.88
FOOD SERVICE WORKERS	.32	.35	.28	.25	.30	.28	.00	.00	.43	.41
BARTENDERS	.03	.05	.00	.00	.00	.00	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.12	.12	.19	.18	.17	.16	.00	.00	.24	.24
COUNTER AND FOUNTAIN WKRS	.11	.11	.04	.03	.05	.04	.00	.00	.07	.06
WAITERS AND WAITRESSES	.06	.08	.05	.05	.08	.08	.00	.00	.12	.11
OTHER SERVICE WORKERS	1.28	1.21	2.11	1.99	1.26	1.41	.64	1.37	1.54	1.43
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.00	.00	.16	.21	.07	.08	.00	.00	.10	.12
CHARWOMEN AND CLEANERS	.13	.18	.19	.16	.12	.10	.00	.00	.18	.15
JANITORS AND SEXTONS	.45	.50	.94	.92	.56	.75	.64	1.35	.53	.44
NURSES,PRACTICAL	.07	.06	.06	.08	.02	.02	.00	.00	.03	.03
SERVICE WORKERS,NEC	.63	.47	.75	.63	.49	.46	.00	.02	.71	.68
LABORERS,EXCEPT FARM AND MINE	.46	.49	3.79	3.10	4.22	3.70	6.93	6.54	3.01	2.28
FARMERS AND FARM WORKERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO
INDUSTRY TOTAL	100.00	100.00	100.00	100.00
PROFESSIONAL TECHNICAL,KINDRED	23.94	31.40	10.54	12.32
ENGINEERS,TECHNICAL	.35	.33	1.32	1.13
ENGINEERS,AERONAUTICAL	.00	.00	.00	.00
ENGINEERS,CHEMICAL	.00	.00	.00	.00
ENGINEERS,CIVIL	.13	.10	1.03	.86
ENGINEERS,ELECTRICAL	.13	.16	.04	.04
ENGINEERS,INDUSTRIAL	.00	.00	.08	.13
ENGINEERS,MECHANICAL	.06	.04	.05	.04
ENGINEERS,METALLURG,ETC	.00	.00	.00	.00
ENGINEERS,MINING	.00	.00	.00	.00
OTHER ENGINEERS,TECHNICAL	.03	.03	.10	.06
NATURAL SCIENTISTS	1.56	1.66	.15	.13
CHEMISTS	.13	.14	.02	.01
AGRICULTURAL SCIENTISTS	.52	.63	.11	.09
BIOLOGICAL SCIENTISTS	.65	.59	.01	.01
GEOLOGISTS,GEOPHYSICISTS	.08	.08	.00	.00
MATHEMATICIANS	.02	.02	.01	.01
PHYSICISTS	.00	.00	.00	.00
OTHER NATURAL SCIENTISTS	.16	.19	.00	.00
TECHNICIANS,EXC MEDICAL,DENT	2.02	2.15	.94	1.19
DRAFTSMEN	.08	.16	.19	.19
SURVEYORS	.02	.02	.23	.17
AIR TRAFFIC CONTROLLERS	.00	.00	.00	.00
RADIO OPERATORS	.32	.39	.35	.48
TECHNICIANS,OTHER	1.60	1.58	.17	.35
MEDICAL,OTHER HEALTH WORKERS	.67	.69	.23	.24
DENTISTS	.03	.05	.00	.00
DIETITIANS,NUTRITIONISTS	.02	.01	.00	.00
NURSES,PROFESSIONAL	.13	.10	.06	.06
OPTOMETRISTS	.00	.00	.00	.00
OSTEOPATHS	.00	.00	.00	.00
PHARMACISTS	.04	.04	.02	.02
PHYSICIANS AND SURGEONS	.09	.12	.03	.04
PSYCHOLOGISTS	.24	.24	.09	.09
TECHNICIANS,MEDICAL,DENTAL	.01	.04	.00	.01
VETERINARIANS	.08	.06	.01	.01
OTHER MEDICAL,HEALTH WRKRS	.03	.03	.01	.01
TEACHERS	.52	.44	.15	.17
TEACHERS,ELEMENTARY	.02	.02	.01	.01
TEACHERS,SECONDARY	.03	.02	.01	.01
TEACHERS,COLLEGE	.00	.00	.00	.00
TEACHERS,OTHER	.47	.40	.13	.15
SOCIAL SCIENTISTS	.52	.46	.06	.05
ECONOMISTS	.15	.12	.01	.01
STATISTICIANS + ACTUARIES	.29	.26	.02	.02
OTHER SOCIAL SCIENTISTS	.08	.08	.03	.03
OTHER PROF,TECH AND KINDRED	18.30	25.67	7.69	9.41
ACCOUNTANTS AND AUDITORS	2.69	3.50	.67	.81
AIRPLANE PILOTS,NAVIGATORS	.19	.38	.00	.00
ARCHITECTS	.07	.03	.02	.01
WRKRS IN ARTS,ENTERTAINMNT	.15	.14	.12	.08
CLERGYMEN	.00	.00	.00	.00
DESIGNERS,EXC DESIGN DRAFT	.01	.01	.02	.02
EDITORS AND REPORTERS	.08	.07	.02	.02
LAWYERS AND JUDGES	1.79	1.31	1.08	.88
LIBRARIANS	.07	.09	.01	.01
PERSONNEL AND LAB REL WRKS	4.08	4.94	.21	.30
PHOTOGRAPHERS	.09	.05	.04	.02
SOCIAL AND WELFARE WORKERS	5.06	5.62	4.49	5.18
PROF,TECH,KINDRED,NEC	4.01	9.53	1.01	2.07
MANAGERS,OFFICIALS,PROPRIETORS	11.47	11.46	11.56	11.31
CONDUCTORS,RAILROAD	.00	.00	.00	.00
CREDITMEN	.00	.00	.00	.00
OFFICERS,PILOTS,ENGRS,SHIP	.01	.00	.01	.01
POSTMASTERS AND ASSISTANTS	.00	.00	.00	.00
PURCHASING AGENTS	.20	.21	.15	.15
MANAGERS,OFFICE,PROP. NEC	11.26	11.25	11.40	11.16

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO
CLERICAL AND KINDRED WORKERS	38.46	33.40	23.14	22.77
STENOS, TYPISTS, SECRETARIES	13.33	11.21	7.91	8.33
OFFICE MACHINE OPERATORS	2.55	3.49	.64	.85
OTHER CLERICAL, KINDRED WRKRS	22.58	18.70	14.60	13.58
ACCOUNTING CLERKS	1.41	1.33	1.17	1.15
BOOKKEEPERS, HAND	.00	.00	.00	.00
BANK TELLERS	.00	.00	.00	.00
CASHIERS	.39	.26	.34	.32
MAIL CARRIERS	.00	.00	.00	.00
POSTAL CLERKS	.00	.00	.00	.00
SHIPPING, RECEIVING CLERKS	.05	.06	.01	.01
TELEPHONE OPERATORS	.33	.30	.33	.35
CLERICAL AND KINDRED, NEC	20.41	16.75	12.75	11.75
SALES WORKERS	.24	.19	.08	.07
CRAFTSMEN, FOREMEN AND KINDRED	7.15	6.37	6.50	6.15
CONSTRUCTION CRAFTSMEN	.97	.92	1.48	1.52
CARPENTERS	.19	.18	.20	.17
BRICKMASONS AND TILE SETRS	.05	.05	.03	.03
CEMENT, CONCRETE FINISHERS	.04	.02	.01	.01
ELECTRICIANS	.21	.19	.35	.33
EXCAVATNG, GRADNG MACH OPER	.13	.16	.36	.41
PAINTERS AND PAPERHANGERS	.23	.20	.37	.38
PLASTERERS	.00	.00	.02	.01
PLUMBERS AND PIPEFITTERS	.10	.11	.15	.18
ROOFERS AND SLATERS	.01	.01	.01	.01
STRUCTURAL METALWORKERS	.00	.00	.00	.00
FOREMEN NEC	1.16	1.06	.84	.69
METALWKNG CRAFTS EXC MECH	.10	.09	.14	.15
MACHINISTS AND RELATED OCC	.07	.04	.10	.12
BLKSMITHS, FORGMN, HAMMERMEN	.01	.01	.02	.01
BOILERMAKERS	.00	.00	.00	.00
HEAT TREATERS, ANNEALERS	.00	.00	.00	.00
MILLWRIGHTS	.00	.00	.00	.00
MOLDERS, METAL, EXC COREMKRS	.00	.00	.00	.00
PATTERNMAKERS, METAL, WOOD	.01	.01	.00	.00
ROLLERS AND ROLL HANDS	.05	.00	.00	.00
SHEET METAL WORKERS	.01	.01	.02	.03
TOOLMAKERS AND DIEMAKERS	.01	.01	.00	.00
PRINTING TRADES CRAFTSMEN	.11	.09	.06	.05
COMPOSITORS, TYPESETTERS	.07	.05	.04	.04
ELECTROTYPERS, STEREOTYPERS	.00	.00	.00	.00
ENGRAVERS EXC PHOTOENGRVER	.00	.00	.00	.00
PHOTOENGRVRS, LITHOGRAPHERS	.01	.01	.00	.00
PRESSMEN, PLATE PRINTERS	.03	.03	.01	.01
TRANSPORT AND PUB UTIL CRAFT	.01	.01	.12	.16
LINEMEN AND SERVICEMEN	.01	.01	.11	.15
LOCOMOTIVE ENGINEERS	.00	.00	.01	.01
LOCOMOTIVE FIREMEN	.00	.00	.00	.00
MECHANICS AND REPAIRMEN	3.51	3.22	3.46	3.33
AIRPLANE MECH AND REPAIRMN	.60	.68	.00	.00
MOTOR VEHICLE MECHANICS	.43	.38	.82	.59
OFFICE MACHINE MECHANICS	.02	.02	.00	.00
RADIO AND TV MECHANICS	.34	.40	.07	.06
RR AND CAR SHOP MECHANICS	.00	.00	.00	.00
OTHER MECHANICS AND REPAIR	2.12	1.74	2.77	2.68

OCCUPATIONAL DISTRIBUTIONS FOR THESE INDUSTRIES CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF INDUSTRY EMPLOYMENT BY OCCUPATION)

OCCUPATION	STATE PUBLIC ADMINISTRATION		LOCAL PUBLIC ADMINISTRATION	
	70 RATIO	80 RATIO	70 RATIO	80 RATIO
OTHER CRAFTSMEN AND KINDRED	1.28	.99	.40	.24
BAKERS	.01	.01	.01	.01
CABINETMAKERS	.01	.01	.01	.01
CRANE,DERRICK,HOIST MEN	.00	.00	.05	.02
GLAZIERS	.00	.00	.00	.00
JEWELERS AND WATCHMAKERS	.00	.00	.00	.00
LOOM FIXERS	.00	.00	.00	.00
OPTICIANS,LENS GRINDERS	.00	.00	.00	.00
INSPECTORS,LOG AND LUMBER	.00	.00	.00	.00
INSPECTORS,OTHER	.00	.00	.00	.00
UPHOLSTERERS	.01	.01	.00	.00
CRAFTSMEN AND KINDRED NEC	1.25	.97	.34	.20
OPERATIVES AND KINDRED WORKERS	1.70	1.46	3.30	2.78
DRIVERS AND DELIVERYMEN	.29	.20	1.59	1.39
DRIVERS,BUS,TRUCK,TRACTOR	.24	.16	1.44	1.28
DELIVERYMEN AND ROUTEMEN	.04	.03	.15	.11
TRANSP AND PUB UTIL OPERATVS	.02	.02	.01	.01
BRAKEMEN AND SWITCHMEN RR	.00	.00	.00	.00
POWER STATION OPERATORS	.00	.00	.01	.01
SAILORS AND DECKHANDS	.02	.02	.00	.00
SEMISKILLED METALWORKING OCC	.04	.04	.03	.01
FURNACEMN,SMELTRMN,POURERS	.00	.00	.00	.00
HEATERS,METAL	.00	.00	.00	.00
WELDERS AND FLAME-CUTTERS	.04	.04	.03	.01
ASSEMBLERS,MTLWRK,CLASS A	.00	.00	.00	.00
ASSEMBLERS,MTLWRK,CLASS B	.00	.00	.00	.00
INSPECTORS,MTLWRK,CLASS B	.00	.00	.00	.00
MACHINE TOOL OPER,CLASS B	.00	.00	.00	.00
ELECTROPLATERS	.00	.00	.00	.00
ELECTROPLATERS HELPERS	.00	.00	.00	.00
SEMISKILLED TEXTILE OCCUP	.00	.00	.00	.00
KNITTERS,LOOPERS,TOPPERS	.00	.00	.00	.00
SPINNERS,TEXTILE	.00	.00	.00	.00
WEAVERS,TEXTILE	.00	.00	.00	.00
SEWERS AND STITCHERS,MFG	.00	.00	.00	.00
OTHER OPERATIVES AND KINDRED	1.35	1.20	1.67	1.37
ASBESTOS,INSULATION WRKS	.00	.00	.00	.00
ATTEND,AUTO SERVICE,PARKNG	.01	.01	.06	.05
BLASTERS AND POWDERMEN	.00	.00	.00	.00
LAUNDRY,DRY CLEANING OPER	.05	.03	.01	.01
MEAT CUTTERS,EXC MEATPCKNG	.01	.01	.00	.00
MINE OPERATVS,LABORERS,NEC	.00	.00	.00	.00
OPERATIVES AND KINDRED,NEC	1.28	1.16	1.60	1.31
SERVICE WORKERS	15.60	14.59	40.67	41.40
PRIVATE HOUSEHOLD WORKERS	.00	.00	.00	.00
PROTECTIVE SERVICE WORKERS	12.06	11.52	37.53	38.83
FIREMEN	.18	.21	11.16	12.13
GUARDS,WATCHMEN,DOORKEEPRS	6.20	5.06	4.11	3.82
POLICE,OTH LAW ENFORCE OFF	5.68	6.26	22.26	22.88
FOOD SERVICE WORKERS	.31	.28	.24	.22
BARTENDERS	.00	.00	.00	.00
COOKS,EXC PRIV HOUSEHOLDS	.21	.21	.21	.20
COUNTER AND FOUNTAIN WKRS	.04	.02	.02	.01
WAITERS AND WAITRESSES	.06	.05	.01	.01
OTHER SERVICE WORKERS	3.23	2.80	2.90	2.35
AIRLINE STEWARDS,STWRDSSES	.00	.00	.00	.00
ATTENDANTS,HOSP,OTHER INST	.62	.81	.10	.10
CHARWOMEN AND CLEANERS	.17	.10	.31	.25
JANITORS AND SEXTONS	1.08	.88	1.46	1.15
NURSES,PRACTICAL	.18	.21	.08	.09
SERVICE WORKERS,NEC	1.19	.81	.95	.76
LABORERS,EXCEPT FARM AND MINE	1.45	1.11	4.20	3.21
FARMERS AND FARM WORKERS	.00	.00	.00	.00

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Appendix G. National Industry-Occupational Employment Matrix, 1970 and Projected 1980

(Percent Distribution of Occupational Employment by Industry)

This appendix presents a table showing the distribution of occupational employment by industry for 1970 and projected 1980. These distributions of occupational employment are for the Nation as a whole and cover the total economy.

The occupational employment figures presented are unrounded, and the occupational ratios are presented to the nearest one-hundredth of a percent to provide a comprehensive distribution of the Nation's work force. However, they are not meant to imply that degree of accuracy. Zero cells in the occupational patterns indicate that employment in the respective industry accounts for less than .005 percent of the employment in the particular occupational classification.

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TOTAL		PROFESSIONAL TECHNICAL AND KINDRED		ENGINEERS, TECHNICAL		ENGINEERS, AERONAUTICAL		ENGINEERS, CHEMICAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	4.54	3.28	.62	.63	.14	.11	.00	.00	.31	.10
AGRICULTURE	4.40	3.16	.36	.39	.02	.02	.00	.00	.06	.08
FORESTRY	.07	.07	.24	.22	.11	.08	.00	.00	.13	.02
FISHERIES	.06	.05	.02	.02	.01	.00	.00	.00	.12	.00
MINING	.81	.59	.51	.43	1.68	1.23	.00	.00	2.97	2.24
METAL MINING	.12	.09	.06	.05	.29	.24	.00	.00	.14	.12
COAL MINING	.19	.09	.04	.03	.13	.09	.00	.00	.05	.06
CRUDE PETROLEUM AND NATURAL GAS	.35	.26	.37	.31	1.12	.80	.00	.00	2.35	1.69
NONMETALLIC MINING AND QUARRYING	.15	.14	.04	.04	.14	.10	.00	.00	.43	.37
CONSTRUCTION	5.81	6.42	2.40	2.72	8.96	9.31	.00	.01	.43	.68
TOTAL MANUFACTURING	25.10	23.32	16.30	17.19	56.94	58.02	78.60	68.83	80.90	79.90
DURABLE GOODS MANUFACTURING	14.59	13.92	11.64	12.49	48.70	50.38	78.47	68.68	20.45	21.62
LUMBER AND WOOD PRODUCTS	.82	.67	.12	.14	.18	.13	.00	.00	.30	.28
LOGGING CAMPS AND CONTRACTORS	.16	.12	.04	.03	.03	.02	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.66	.55	.08	.11	.14	.11	.00	.00	.30	.28
FURNITURE AND FIXTURES	.59	.65	.11	.14	.23	.27	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.82	.84	.29	.36	.96	.97	.03	.05	2.23	1.34
GLASS AND GLASS PRODUCTS	.23	.23	.09	.12	.21	.30	.00	.00	.31	.31
CEMENT CONCRETE AND PLASTER	.28	.34	.08	.11	.36	.30	.00	.00	.3	.10
STRUCTURAL CLAY PRODUCTS	.07	.07	.02	.02	.08	.06	.00	.00	.7	.40
POTTERY AND RELATED PRODUCTS	.06	.04	.02	.01	.05	.04	.00	.00	.3	.18
MISC NONMETALLIC AND STONE	.18	.16	.08	.10	.27	.28	.03	.05	.51	.35
PRIMARY METAL INDUSTRIES	1.65	1.40	.62	.65	2.45	2.31	.03	.03	1.39	1.25
BLAST FURNACE AND STEEL WORKS	.70	.56	.27	.26	1.07	.89	.00	.00	.46	.39
OTHER PRIMARY METAL IND	.45	.40	.12	.15	.45	.58	.00	.00	.15	.31
PRIMARY NONFERROUS METAL	.49	.44	.23	.24	.93	.84	.03	.03	.78	.56
FABRICATED METAL PRODUCTS NEC	2.14	1.99	1.75	1.64	8.51	6.86	8.73	5.98	4.56	4.24
MACHINERY EXCEPT ELECTRICAL	2.52	2.57	2.08	2.71	7.90	10.12	.27	.31	1.85	1.82
FARM MACHINERY AND EQUIPMENT	.16	.18	.10	.12	.42	.53	.00	.00	.00	.00
OFFICE MACHINERY	.36	.42	.59	.94	1.80	2.99	.00	.00	.51	1.03
MISCELLANEOUS MACHINERY	2.00	1.98	1.38	1.64	5.68	6.60	.27	.31	1.35	.79
ELECTRICAL MACHINERY	2.42	2.43	3.16	3.63	13.79	15.91	.75	.93	5.30	7.91
TRANSPORTATION EQUIPMENT	2.46	2.24	2.61	2.20	11.22	10.07	68.05	60.56	3.00	3.06
MOTOR VEHICLES AND EQUIPMENT	1.02	.94	.60	.54	2.14	1.71	.17	.13	.52	.37
AIR CRAFT AND ENGINES	.87	.79	1.69	1.39	7.99	7.40	67.75	60.23	2.38	2.53
SHIP AND BOATBUILDING AND REP	.37	.36	.25	.21	.84	.72	.13	.12	.11	.17
RR AND OTHER TRANSPORT EQUIP	.20	.15	.06	.06	.26	.24	.00	.08	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.60	.59	.75	.85	3.15	3.49	.61	.81	1.75	1.65
INSTRUMENTS EXCEPT CLOCKS	.56	.55	.74	.82	3.07	3.38	.54	.72	1.75	1.65
WATCHES AND CLOCK DEVICES	.04	.04	.02	.02	.09	.10	.07	.09	.00	.00
MISCELLANEOUS MANUFACTURING	.57	.53	.16	.17	.31	.25	.00	.00	.06	.06
NONDURABLE GOODS MANUFACTURING	10.51	9.40	4.66	4.70	8.24	7.64	.13	.15	60.45	58.28
FOOD AND KINDRED PRODUCTS	2.29	1.85	.43	.45	.46	.40	.00	.00	.56	.46
MEAT PRODUCTS	.44	.35	.05	.05	.08	.07	.00	.00	.07	.05
DAIRY PRODUCTS	.31	.24	.07	.07	.07	.06	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.36	.32	.08	.10	.08	.08	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.18	.13	.07	.06	.06	.05	.00	.00	.17	.16
BAKERY PRODUCTS	.36	.27	.02	.01	.03	.02	.00	.00	.03	.02
BEVERAGE INDUSTRIES	.31	.27	.07	.08	.05	.04	.00	.00	.09	.07
OTHER FOOD PRODUCTS	.34	.27	.09	.08	.10	.08	.00	.00	.20	.15
TOBACCO MANUFACTURING	.10	.07	.02	.02	.04	.03	.00	.00	.29	.24
TEXTILE MILL PRODUCTS	1.22	.95	.17	.21	.36	.28	.00	.00	.70	.56
APPAREL AND ACCESSORIES	1.77	1.77	.16	.21	.06	.08	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.90	.83	.36	.46	.94	1.04	.00	.00	2.17	1.66
PULP PAPER AND BOARD MILLS	.37	.32	.19	.22	.47	.41	.00	.00	1.88	1.55
PAPERBOARD CONTAINERS + BOXES	.28	.25	.08	.11	.26	.29	.00	.00	.07	.02
ALL OTHER PAPER PRODUCTS	.24	.26	.08	.13	.21	.33	.00	.00	.22	.09
PRINTING AND PUBLISHING	1.50	1.38	1.18	1.03	.16	.13	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.35	1.24	1.77	1.76	4.29	4.04	.13	.15	45.55	45.33
SYNTHETIC FIBERS	.14	.14	.14	.16	.47	.56	.00	.00	2.08	2.19
DRUGS AND MEDICINE	.19	.19	.40	.42	.16	.19	.00	.00	1.08	1.46
PAINTS AND VARNISHES AND REL	.09	.08	.08	.08	.20	.16	.00	.00	2.38	2.14
OTHER CHEMICALS	.92	.83	1.16	1.08	3.45	3.13	.13	.15	40.01	39.55
PETROLEUM REFIN AND COAL PROD	.24	.16	.28	.23	1.01	.68	.00	.00	8.19	6.75
PETROLEUM REFINING	.19	.12	.26	.21	.96	.62	.00	.00	7.94	6.43
OTHER PETROL AND COAL PRODUCT	.05	.04	.02	.02	.05	.06	.00	.00	.25	.31
RUBBER AND MISC PLASTIC PRODUCT	.72	.79	.27	.30	.90	.93	.00	.00	2.99	3.29
RUBBER PRODUCTS	.36	.33	.17	.17	.53	.45	.00	.00	1.31	1.00
MISCELLANEOUS PLASTIC PRODUCT	.37	.46	.10	.13	.37	.48	.00	.00	1.68	2.29
LEATHER PRODUCTS	.42	.35	.03	.03	.04	.04	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.03	.03	.00	.00	.01	.01	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.30	.25	.01	.01	.02	.01	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.09	.08	.01	.01	.01	.01	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TOTAL		PROFESSIONAL TECHNICAL AND KINDRED		ENGINEERS, TECHNICAL		ENGINEERS, AERONAUTICAL		ENGINEERS, CHEMICAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	6.44	5.75	3.12	2.90	6.15	4.87	1.16	1.36	1.17	1.03
TRANSPORTATION	3.70	3.25	.86	.85	.97	.77	1.16	1.36	.22	.21
RAILROADS	.78	.50	.17	.11	.37	.21	.00	.00	.00	.01
LOCAL AND INTERURBAN PASSENGER	.51	.43	.04	.04	.11	.10	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.34	.30	.03	.03	.10	.09	.00	.00	.00	.00
TAXIS	.17	.13	.02	.02	.01	.01	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	1.51	1.39	.07	.09	.12	.14	.00	.00	.00	.00
TRUCKING	1.39	1.29	.06	.08	.06	.08	.00	.00	.00	.00
WAREHOUSING	.12	.10	.01	.02	.06	.06	.00	.00	.00	.00
WATER TRANSPORTATION	.29	.25	.05	.06	.04	.03	.00	.00	.00	.00
AIR TRANSPORTATION	.44	.50	.49	.49	.20	.19	1.16	1.36	.00	.00
PIPELINES	.02	.02	.02	.02	.10	.08	.00	.00	.22	.21
TRANSPORTATION SERVICES	.15	.16	.03	.03	.03	.03	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	2.74	2.49	2.26	2.05	5.17	4.10	.01	.01	.95	.81
COMMUNICATIONS	1.38	1.24	1.49	1.27	1.67	1.49	.00	.00	.02	.01
TELEPHONE	1.14	1.04	.82	.76	1.24	1.05	.00	.00	.02	.01
TELEGRAPH	.06	.04	.05	.03	.05	.03	.00	.00	.00	.00
RADIO AND TV	.18	.16	.62	.48	.38	.42	.00	.00	.00	.00
PUBLIC UTILITIES	1.36	1.26	.78	.78	3.31	2.60	.01	.01	.93	.80
ELECTRIC GAS AND STEAM	.89	.71	.67	.64	2.70	2.00	.01	.01	.78	.61
WATER AND IRRIGATION	.17	.24	.08	.10	.43	.39	.00	.00	.03	.04
SANITARY SERVICES	.30	.31	.03	.04	.18	.22	.00	.00	.12	.15
WHOLESALE AND RETAIL TRADE	20.39	19.12	3.07	3.18	2.41	2.25	.04	.01	1.30	1.31
WHOLESALE TRADE	5.04	4.85	1.09	1.32	1.96	1.86	.04	.01	1.28	1.31
MOTOR VEHICLES AND EQUIPMENT	.43	.42	.04	.06	.05	.05	.00	.00	.00	.00
DRUGS AND CHEMICALS	.29	.29	.14	.16	.11	.09	.00	.00	.72	.76
DRY GOODS AND APPAREL	.20	.19	.03	.04	.03	.03	.00	.00	.06	.06
GROCERIES AND RELATED	.73	.59	.05	.04	.03	.02	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.64	.65	.16	.19	.47	.46	.00	.00	.09	.07
MACHINERY AND EQUIPMENT	.96	1.05	.35	.47	.74	.76	.03	.01	.17	.15
MISCELLANEOUS WHOLESALE TRADE	1.79	1.65	.31	.38	.53	.44	.00	.00	.24	.26
RETAIL TRADE	15.35	14.27	1.99	1.86	.45	.39	.00	.00	.02	.00
LUMBER BUILDING AND FARM EQUIP	.77	.57	.04	.03	.10	.08	.00	.00	.00	.00
GENERAL MERCHANDISING	2.99	2.96	.30	.35	.11	.12	.00	.00	.00	.00
LIMITED PRICE STORES	.41	.34	.02	.02	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	2.58	2.62	.28	.33	.11	.12	.00	.00	.00	.00
FOOD AND DAIRY STORES	2.44	2.29	.06	.09	.08	.08	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	2.28	2.27	.07	.09	.02	.02	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	1.31	1.36	.06	.08	.02	.02	.00	.00	.00	.00
GAS STATIONS	.97	.91	.01	.01	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.95	.76	.04	.03	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.67	.59	.09	.10	.06	.05	.00	.00	.02	.00
EATING AND DRINKING PLACES	3.36	3.16	.24	.25	.02	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	1.89	1.67	1.14	.91	.06	.05	.00	.00	.00	.00
DRUG STORES	.55	.56	1.02	.81	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	1.34	1.11	.12	.09	.06	.05	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	4.91	4.63	1.04	1.20	.54	.38	.00	.00	.01	.00
FINANCE	2.08	2.01	.55	.65	.02	.01	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	1.76	1.75	.33	.40	.01	.01	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.32	.26	.22	.24	.01	.00	.00	.00	.00	.00
INSURANCE	1.74	1.63	.41	.46	.41	.30	.00	.00	.01	.00
REAL ESTATE	1.09	.99	.09	.10	.11	.07	.00	.00	.00	.00
SERVICES	26.38	30.96	66.65	64.71	16.05	16.89	5.63	7.30	11.54	12.73
HOTELS AND OTHER LODGING PLACES	1.27	1.39	.20	.29	.00	.01	.00	.00	.00	.00
OTHER PERSONAL SERVICES	1.79	2.08	.64	.74	.00	.00	.00	.00	.00	.01
LAUNDRY CLEANERS AND VALET	.75	.77	.01	.01	.00	.00	.00	.00	.00	.01
ALL OTHER PERSONAL SERVICES	1.04	1.31	.63	.72	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	2.03	3.22	2.05	2.89	3.98	3.51	2.02	3.45	4.17	4.32
ADVERTISING	.16	.15	.18	.16	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	1.88	3.07	1.87	2.74	3.98	3.51	2.02	3.45	4.17	4.32
AUTO REPAIR SERVICES	.65	.67	.02	.02	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.41	.37	.02	.02	.02	.03	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.32	.26	.57	.39	.01	.01	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.63	.88	.85	1.12	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	5.60	6.68	14.73	15.07	.37	.31	.00	.00	.20	.00
HOSPITALS	3.47	4.05	8.20	8.70	.24	.20	.00	.00	.20	.00
OTHER MEDICAL AND HEALTH	2.13	2.63	6.53	6.37	.13	.11	.00	.00	.00	.00
LEGAL SERVICES	.49	.55	1.96	1.75	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	7.81	9.52	36.06	33.25	1.80	1.66	2.80	2.13	2.52	3.16
NONPROFIT MEMBER ORGANIZATIONS	2.10	1.92	4.78	4.20	.10	.15	.04	.51	.05	.11
WELFARE AND RELIGIOUS ORGANS	1.55	1.49	4.18	3.58	.03	.03	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.55	.44	.60	.62	.07	.12	.04	.51	.05	.11
PRIVATE HOUSEHOLD SERVICES	2.27	2.26	.02	.01	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	1.00	1.15	4.76	4.96	9.76	11.20	.77	1.21	4.59	5.13
ENGINEERING AND ARCHITECT SERV	.40	.57	2.34	2.73	9.07	10.38	.47	.83	3.42	3.76
ACCOUNTING AND BOOKKEEPING SERV	.34	.32	1.29	1.26	.06	.05	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.26	.27	1.12	.97	.63	.78	.30	.38	1.16	1.37
GOVERNMENT PUBLIC ADMINISTRATION	5.63	5.94	6.29	7.05	7.13	6.95	14.56	22.49	1.36	2.00
FEDERAL PUBLIC ADMINISTRATION	2.89	2.76	3.44	3.51	5.11	5.16	14.56	22.49	1.25	2.00
POSTAL SERVICE	.90	.92	.06	.06	.05	.04	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	1.99	1.84	3.39	3.45	5.06	5.12	14.56	22.49	1.25	2.00
STATE PUBLIC ADMINISTRATION	.85	.97	1.44	1.86	.22	.20	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	1.89	2.21	1.40	1.67	1.81	1.58	.00	.00	.11	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ENGINEERS, CIVIL		ENGINEERS, ELECTRICAL		ENGINEERS, INDUSTRIAL		ENGINEERS, MECHANICAL		ENGINEERS, METALLURGICAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.58	.49	.01	.01	.01	.01	.03	.03	.00	.00
AGRICULTURE	.01	.02	.00	.00	.00	.01	.01	.01	.00	.00
FORESTRY	.57	.45	.01	.01	.01	.00	.02	.02	.00	.00
FISHERIES	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.77	.60	.43	.31	1.43	1.15	.90	.67	2.28	2.00
METAL MINING	.07	.06	.05	.05	.20	.20	.17	.14	1.94	1.70
COAL MINING	.06	.05	.02	.01	.19	.14	.08	.05	.01	.01
CRUDE PETROLEUM AND NATURAL GAS	.48	.37	.31	.22	.91	.71	.53	.38	.03	.02
NONMETALLIC MINING AND QUARRYING	.15	.11	.04	.03	.13	.11	.13	.09	.29	.28
CONSTRUCTION	48.00	53.15	1.08	.89	.58	.51	1.72	1.57	.16	.02
TOTAL MANUFACTURING	8.86	7.29	60.72	65.14	76.96	80.04	74.55	75.88	81.50	83.28
DURABLE GOODS MANUFACTURING	6.73	5.57	59.14	63.69	63.65	67.74	65.75	67.67	76.68	77.73
LUMBER AND WOOD PRODUCTS	.21	.12	.03	.01	.30	.22	.08	.05	.00	.00
LOGGING CAMPS AND CONTRACTORS	.19	.11	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.02	.01	.03	.01	.30	.22	.08	.05	.00	.00
FURNITURE AND FIXTURES	.05	.04	.00	.00	.88	.96	.20	.15	.02	.02
STONE CLAY AND GLASS PRODUCTS	.68	.61	.20	.22	1.34	1.32	1.02	1.02	1.20	.80
GLASS AND GLASS PRODUCTS	.05	.04	.05	.07	.45	.56	.33	.45	.20	.22
CEMENT CONCRETE AND PLASTER	.60	.55	.11	.10	.40	.31	.29	.22	.41	.00
STRUCTURAL CLAY PRODUCTS	.01	.00	.00	.00	.07	.07	.05	.03	.00	.00
POTTERY AND RELATED PRODUCTS	.01	.01	.01	.02	.05	.04	.05	.04	.00	.00
MISC NONMETALLIC AND STONE	.02	.01	.02	.03	.37	.33	.31	.28	.58	.58
PRIMARY METAL INDUSTRIES	.75	.49	.63	.61	5.40	5.47	2.26	2.06	33.84	30.59
BLAST FURNACE AND STEEL WORKS	.47	.24	.22	.20	2.84	2.64	.95	.73	15.65	12.90
OTHER PRIMARY METAL IND	.10	.09	.08	.12	1.00	1.39	.36	.42	5.66	6.97
PRIMARY NONFERROUS METAL	.18	.16	.33	.29	1.55	1.43	.94	.91	12.52	10.72
FABRICATED METAL PRODUCTS NEC	2.04	1.45	6.28	4.19	11.25	9.90	15.34	13.52	16.95	16.49
MACHINERY EXCEPT ELECTRICAL	.46	.40	4.26	6.51	10.25	12.90	18.55	22.14	7.47	8.04
FARM MACHINERY AND EQUIPMENT	.02	.02	.03	.04	.60	.75	1.23	1.71	1.57	1.64
OFFICE MACHINERY	.00	.00	3.19	5.15	2.58	3.90	2.27	3.54	1.42	2.26
MISCELLANEOUS MACHINERY	.44	.38	1.03	1.32	7.07	8.25	15.05	16.89	4.49	4.14
ELECTRICAL MACHINERY	.55	.48	37.00	41.78	15.78	18.27	9.52	11.03	6.98	11.45
TRANSPORTATION EQUIPMENT	1.84	1.91	6.52	6.04	13.05	13.03	15.57	14.65	9.45	9.56
MOTOR VEHICLES AND EQUIPMENT	.15	.09	.40	.29	4.34	3.04	6.08	4.97	3.61	2.36
AIR CRAFT AND ENGINES	1.54	1.71	5.18	4.88	7.79	9.28	6.86	7.20	5.10	6.53
SHIP AND BOATBUILDING AND REP	.13	.10	.85	.79	.53	.37	1.96	1.86	.62	.57
RR AND OTHER TRANSPORT EQUIP	.02	.02	.10	.08	.39	.35	.66	.62	.13	.11
PROF SCIENTIFIC INSTRUMENTS	.09	.06	4.16	4.27	4.84	5.27	2.91	2.81	.47	.60
INSTRUMENTS EXCEPT CLOCKS	.09	.06	4.13	4.24	4.55	4.99	2.80	2.71	.47	.60
WATCHES AND CLOCK DEVICES	.00	.00	.03	.03	.29	.28	.10	.10	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.07	.07	.56	.41	.30	.24	.29	.19
NONDURABLE GOODS MANUFACTURING	2.13	1.72	1.58	1.45	13.32	12.29	8.80	8.21	4.83	5.55
FOOD AND KINDRED PRODUCTS	.16	.15	.10	.10	1.02	.92	.90	.84	.01	.01
MEAT PRODUCTS	.01	.00	.00	.00	.31	.25	.13	.09	.00	.00
DAIRY PRODUCTS	.02	.03	.02	.01	.11	.11	.17	.12	.00	.00
CANNING PRESERVES + FREEZING	.06	.08	.03	.05	.11	.13	.18	.16	.00	.00
GRAIN MILL PRODUCTS	.02	.02	.00	.00	.16	.15	.08	.06	.00	.00
BAKERY PRODUCTS	.01	.00	.01	.00	.01	.02	.05	.02	.00	.00
BEVERAGE INDUSTRIES	.02	.01	.02	.02	.09	.08	.12	.07	.00	.00
OTHER FOOD PRODUCTS	.02	.01	.02	.01	.20	.18	.17	.11	.01	.01
TOBACCO MANUFACTURING	.03	.02	.00	.00	.09	.06	.05	.03	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.04	.03	1.77	1.14	.35	.14	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.30	.39	.04	.03	.00	.00
PAPER AND ALLIED PRODUCTS	.18	.14	.21	.20	2.18	2.44	1.36	1.33	.09	.06
PULP PAPER AND BOARD MILLS	.11	.06	.14	.10	.80	.69	.61	.53	.04	.03
PAPERBOARD CONTAINERS + BOXES	.05	.07	.01	.01	.62	.61	.51	.55	.02	.01
ALL OTHER PAPER PRODUCTS	.02	.01	.06	.09	.76	1.14	.25	.25	.02	.02
PRINTING AND PUBLISHING	.00	.00	.10	.07	.69	.54	.18	.13	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.08	.97	.82	.73	4.04	3.91	4.28	4.55	4.25	4.95
SYNTHETIC FIBERS	.03	.04	.06	.06	.95	1.09	1.06	1.19	.00	.00
DRUGS AND MEDICINE	.03	.02	.02	.02	.33	.42	.23	.25	.00	.00
PAINTS AND VARNISHES AND REL	.03	.02	.00	.00	.19	.15	.04	.03	.00	.00
OTHER CHEMICALS	.98	.90	.74	.66	2.57	2.26	2.96	3.07	4.25	4.95
PETROLEUM REFIN AND COAL PROD	.64	.39	.15	.14	.73	.43	.86	.60	.18	.14
PETROLEUM REFINING	.62	.37	.15	.14	.70	.39	.80	.53	.18	.11
OTHER PETROL AND COAL PRODUCT	.02	.03	.00	.00	.04	.04	.06	.06	.00	.03
RUBBER AND MISC PLASTIC PRODUCT	.05	.04	.15	.17	2.22	2.24	.75	.74	.29	.39
RUBBER PRODUCTS	.03	.03	.07	.05	1.51	1.39	.35	.25	.29	.39
MISCELLANEOUS PLASTIC PRODUCT	.02	.02	.08	.12	.71	.85	.40	.49	.00	.00
LEATHER PRODUCTS	.00	.00	.01	.01	.27	.22	.03	.03	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.08	.07	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.12	.09	.01	.01	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.01	.01	.07	.06	.01	.01	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ENGINEERS, CIVIL		ENGINEERS, ELECTRICAL		ENGINEERS, INDUSTRIAL		ENGINEERS, MECHANICAL		ENGINEERS, METALLURGICAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	6.44	5.57	15.38	11.94	2.70	1.97	3.59	2.75	2.27	2.14
TRANSPORTATION	1.79	1.25	.57	.38	.94	.80	1.28	1.08	.24	.26
RAILROADS	1.06	.58	.19	.13	.25	.14	.49	.28	.06	.03
LOCAL AND INTERURBAN PASSENGER	.32	.28	.19	.15	.03	.05	.04	.07	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.32	.28	.14	.11	.03	.05	.04	.07	.00	.00
TAXIS	.00	.00	.05	.04	.00	.01	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.10	.15	.01	.00	.17	.13	.30	.32	.00	.00
TRUCKING	.10	.15	.00	.00	.17	.13	.08	.11	.00	.00
WAREHOUSING	.00	.00	.01	.00	.00	.00	.22	.21	.00	.00
WATER TRANSPORTATION	.07	.05	.02	.02	.07	.05	.05	.03	.00	.00
AIR TRANSPORTATION	.06	.05	.10	.03	.37	.39	.18	.19	.18	.24
PIPELINES	.07	.06	.04	.03	.05	.04	.17	.14	.00	.00
TRANSPORTATION SERVICES	.11	.08	.03	.02	.00	.00	.05	.04	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	4.66	4.32	14.80	11.56	1.76	1.17	2.31	1.67	2.03	1.88
COMMUNICATIONS	.32	.26	7.40	5.99	.53	.37	.23	.15	.00	.00
TELEPHONE	.30	.25	4.83	4.19	.31	.23	.13	.07	.00	.00
TELEGRAPH	.00	.00	.15	.08	.12	.06	.03	.02	.00	.00
RADIO AND TV	.01	.01	2.41	1.72	.11	.08	.07	.06	.00	.00
PUBLIC UTILITIES	4.34	4.06	7.40	5.58	1.23	.80	2.07	1.52	2.03	1.88
ELECTRIC GAS AND STEAM	1.81	1.33	7.07	5.29	1.18	.73	1.79	1.22	2.03	1.78
WATER AND IRRIGATION	1.73	1.66	.30	.25	.03	.04	.16	.13	.00	.00
SANITARY SERVICES	.80	1.06	.04	.04	.03	.03	.12	.17	.00	.10
WHOLESALE AND RETAIL TRADE	.79	.42	.55	.66	1.61	.86	1.47	1.64	.52	.05
WHOLESALE TRADE	.68	.38	.44	.61	1.02	.40	.82	.98	.29	.05
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.03	.03	.01	.01	.04	.03
DRUGS AND CHEMICALS	.01	.01	.00	.00	.06	.05	.07	.07	.04	.00
DRY GOODS AND APPAREL	.00	.00	.02	.02	.07	.05	.06	.05	.00	.00
GROCERIES AND RELATED	.01	.00	.00	.00	.00	.00	.08	.07	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.28	.00	.01	.18	.55	.04	.00	.18	.00	.00
MACHINERY AND EQUIPMENT	.02	.04	.35	.35	.07	.06	.33	.37	.04	.00
MISCELLANEOUS WHOLESALE TRADE	.36	.33	.06	.06	.24	.18	.27	.23	.17	.02
RETAIL TRADE	.11	.04	.11	.04	.59	.46	.65	.66	.23	.00
LUMBER BUILDING AND FARM EQUIP	.03	.02	.00	.00	.05	.03	.12	.08	.00	.00
GENERAL MERCHANDISING	.03	.01	.01	.00	.45	.42	.16	.14	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.03	.01	.01	.00	.45	.42	.16	.14	.00	.00
FOOD AND DAIRY STORES	.02	.00	.00	.00	.03	.00	.25	.33	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.01	.00	.04	.03	.01	.00	.07	.06	.00	.00
EATING AND DRINKING PLACES	.01	.00	.04	.00	.01	.00	.01	.00	.23	.00
MISCELLANEOUS RETAIL STORES	.01	.00	.00	.00	.03	.00	.04	.04	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
OTHER RETAIL STORES	.01	.00	.00	.00	.03	.00	.03	.04	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.71	.52	.02	.01	3.24	2.05	.15	.07	.00	.00
FINANCE	.05	.02	.01	.01	.00	.00	.01	.00	.00	.00
BANKS AND CREDIT AGENCIES	.02	.00	.01	.00	.00	.00	.01	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.49	.36	.01	.00	2.99	1.87	.02	.01	.00	.00
REAL ESTATE	.18	.15	.00	.00	.24	.17	.12	.06	.00	.00
SERVICES	20.17	19.51	14.40	13.63	10.55	10.27	14.09	13.62	11.45	10.93
HOTELS AND OTHER LODGING PLACES	.00	.01	.00	.01	.00	.00	.02	.04	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.74	.44	6.21	4.98	5.15	4.82	2.97	2.56	3.57	2.33
ADVERTISING	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.74	.44	6.21	4.98	5.15	4.82	2.97	2.55	3.57	2.33
AUTO REPAIR SERVICES	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
OTHER REPAIR SERVICE	.01	.02	.02	.02	.01	.03	.02	.02	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.02	.01	.01	.02	.02	.01	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.51	.51	.18	.13	.18	.20	.51	.37	.00	.00
HOSPITALS	.45	.39	.18	.13	.18	.16	.27	.18	.00	.00
OTHER MEDICAL AND HEALTH	.06	.12	.00	.00	.00	.04	.24	.19	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.82	1.07	2.72	2.36	.67	.26	2.82	1.59	.59	.04
NONPROFIT MEMBER ORGANIZATIONS	.19	.21	.00	.00	.39	.43	.04	.03	.00	.00
WELFARE AND RELIGIOUS ORGANS	.07	.07	.00	.00	.14	.12	.02	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.12	.14	.00	.00	.25	.32	.02	.03	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	17.90	17.25	5.26	6.12	4.12	4.48	7.68	8.98	7.28	8.56
ENGINEERING AND ARCHITECT SERV	17.72	17.05	4.55	5.23	3.47	3.79	7.15	8.31	1.98	2.38
ACCOUNTING AND BOOKKEEPING SERV	.02	.00	.02	.00	.31	.26	.01	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.16	.20	.69	.88	.34	.43	.52	.68	5.31	6.18
GOVERNMENT PUBLIC ADMINISTRATION	13.68	12.45	7.41	7.41	2.91	3.13	3.49	3.77	1.82	1.57
FEDERAL PUBLIC ADMINISTRATION	4.67	4.42	6.77	6.68	1.83	1.73	2.92	3.32	1.82	1.57
POSTAL SERVICE	.01	.01	.03	.01	.13	.05	.05	.02	.00	.00
OTHER FEDERAL PUBLIC ADMIN	4.65	4.41	6.75	6.66	1.69	1.68	2.88	3.30	1.82	1.57
STATE PUBLIC ADMINISTRATION	.50	.38	.37	.47	.00	.00	.18	.13	.00	.00
LOCAL PUBLIC ADMINISTRATION	8.52	7.66	.27	.27	1.09	1.40	.39	.31	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ENGINEERS, MINING		OTHER ENGINEERS, TECHNICAL		NATURAL SCIENTISTS		CHEMISTS		AGRICULTURAL SCIENTISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.16	.19	.11	.10	3.10	2.29	.17	.44	21.38	15.58
AGRICULTURE	.00	.00	.09	.07	.59	.63	.12	.35	2.50	2.39
FORESTRY	.16	.19	.02	.02	2.24	1.40	.05	.08	18.79	13.07
FISHERIES	.00	.00	.00	.00	.28	.27	.00	.01	.09	.12
MINING	58.34	58.79	.87	.52	3.95	3.00	.73	.55	.15	.19
METAL MINING	11.06	12.37	.07	.05	.29	.26	.32	.25	.02	.02
COAL MINING	5.57	4.61	.00	.01	.06	.05	.08	.06	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	39.72	40.29	.71	.39	3.44	2.59	.08	.06	.06	.06
NONMETALLIC MINING AND QUARRYING	1.98	1.52	.10	.07	.16	.11	.24	.18	.07	.10
CONSTRUCTION	.40	.08	1.83	1.91	.67	.65	.36	.36	.15	.00
TOTAL MANUFACTURING	13.38	12.74	52.80	52.15	38.98	38.06	68.37	63.59	9.98	12.71
DURABLE GOODS MANUFACTURING	5.07	5.83	45.07	44.50	14.84	15.35	16.10	15.47	1.22	1.64
LUMBER AND WOOD PRODUCTS	.00	.00	.41	.32	.17	.16	.25	.18	.76	.95
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.41	.32	.17	.15	.25	.18	.76	.95
FURNITURE AND FIXTURES	.00	.00	.50	.61	.03	.02	.01	.01	.00	.00
STONE CLAY AND GLASS PRODUCTS	2.60	2.91	1.67	1.92	.58	.55	1.10	.88	.03	.03
GLASS AND GLASS PRODUCTS	.00	.00	.34	.54	.08	.06	.21	.17	.00	.00
CEMENT CONCRETE AND PLASTER	1.62	1.71	.50	.47	.28	.25	.61	.54	.00	.00
STRUCTURAL CLAY PRODUCTS	.33	.37	.12	.13	.02	.01	.04	.03	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.66	.83	.65	.71	.21	.22	.24	.15	.03	.03
PRIMARY METAL INDUSTRIES	.66	.61	1.74	1.63	.85	.75	2.03	1.69	.09	.11
BLAST FURNACE AND STEEL WORKS	.24	.27	.34	.26	.35	.29	.84	.62	.05	.07
OTHER PRIMARY METAL IND	.14	.17	.55	.61	.13	.15	.28	.33	.00	.00
PRIMARY NONFERROUS METAL	.28	.17	.84	.76	.38	.32	.91	.74	.04	.04
FABRICATED METAL PRODUCTS NEC	.00	.00	8.75	5.91	3.12	3.36	2.03	2.21	.01	.01
MACHINERY EXCEPT ELECTRICAL	1.02	.66	11.17	13.74	2.17	2.53	1.69	1.85	.25	.45
FARM MACHINERY AND EQUIPMENT	.00	.00	.39	.37	.06	.07	.08	.08	.13	.24
OFFICE MACHINERY	.00	.00	1.97	3.35	1.68	2.01	.89	1.09	.12	.22
MISCELLANEOUS MACHINERY	1.02	.66	8.81	10.02	.42	.44	.72	.67	.00	.00
ELECTRICAL MACHINERY	.79	1.65	9.78	9.82	3.18	2.96	2.11	2.28	.01	.01
TRANSPORTATION EQUIPMENT	.00	.00	4.23	3.41	2.63	2.66	2.20	1.84	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	1.58	1.34	.37	.33	.52	.44	.00	.00
AIR CRAFT AND ENGINES	.00	.00	1.33	1.18	2.09	2.16	1.51	1.20	.00	.00
SHIP AND BOATBUILDING AND REP	.00	.00	.97	.61	.17	.18	.17	.20	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.35	.29	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.00	.00	5.89	6.46	1.84	2.06	4.06	3.87	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.00	.00	5.75	6.26	1.82	2.04	4.03	3.82	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.14	.20	.02	.02	.03	.04	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.93	.69	.27	.30	.63	.67	.07	.07
NONDURABLE GOODS MANUFACTURING	8.31	6.90	7.73	7.64	24.14	22.71	52.27	48.12	8.75	11.08
FOOD AND KINDRED PRODUCTS	.00	.00	.61	.52	2.26	2.24	3.80	3.63	4.08	5.47
MEAT PRODUCTS	.00	.00	.09	.09	.20	.20	.27	.26	.75	.99
DAIRY PRODUCTS	.00	.00	.09	.07	.21	.21	.22	.23	.43	.62
CANNING PRESERVES + FREEZING	.00	.00	.09	.08	.34	.38	.40	.48	.97	1.32
GRAIN MILL PRODUCTS	.00	.00	.04	.07	.51	.44	.93	.79	.41	.52
BAKERY PRODUCTS	.00	.00	.09	.05	.02	.01	.05	.04	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.04	.03	.35	.37	.85	.89	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.18	.13	.64	.63	1.09	.94	1.52	2.02
TOBACCO MANUFACTURING	.00	.00	.00	.00	.19	.15	.54	.43	.03	.02
TEXTILE MILL PRODUCTS	.00	.00	.36	.42	.58	.57	1.64	1.49	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.09	.14	.13	.11	.30	.30	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00	1.54	1.80	1.32	1.46	2.54	2.59	1.78	2.34
PULP PAPER AND BOARD MILLS	.00	.00	.75	.69	.92	.96	1.80	1.58	1.78	2.34
PAPERBOARD CONTAINERS + BOXES	.00	.00	.45	.52	.08	.08	.25	.24	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.34	.59	.32	.43	.48	.77	.00	.00
PRINTING AND PUBLISHING	.00	.00	.15	.12	.08	.05	.18	.09	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.46	1.27	2.30	2.45	17.29	16.17	37.34	34.67	2.81	3.17
SYNTHETIC FIBERS	.00	.00	.29	.49	1.00	.98	2.69	2.55	.10	.10
DRUGS AND MEDICINE	.00	.00	.11	.14	4.84	4.56	5.37	4.88	.93	1.01
PAINTS AND VARNISHES AND REL	.00	.00	.33	.26	1.00	.98	2.84	2.79	.08	.00
OTHER CHEMICALS	1.46	1.27	1.56	1.56	10.46	9.66	26.45	24.45	1.69	2.06
PETROLEUM REFIN AND COAL PROD	6.84	5.63	.81	.50	1.10	.76	2.71	1.81	.00	.00
PETROLEUM REFINING	6.84	5.63	.68	.37	.97	.66	2.32	1.51	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.13	.13	.13	.11	.38	.30	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	1.87	1.69	1.16	1.16	3.13	3.02	.06	.07
RUBBER PRODUCTS	.00	.00	1.20	.86	.96	.86	2.64	2.23	.06	.07
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.67	.83	.20	.29	.49	.78	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.03	.03	.09	.09	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.01	.01	.04	.03	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.01	.01	.02	.03	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.01	.01	.03	.03	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ENGINEERS, MINING		OTHER ENGINEERS, TECHNICAL		NATURAL SCIENTISTS		CHEMISTS		AGRICULTURAL SCIENTISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	4.36	3.62	3.06	2.47	.92	.91	1.10	1.05	.51	.74
TRANSPORTATION	2.29	2.20	.51	.46	.17	.19	.17	.13	.00	.10
RAILROADS	.13	.02	.16	.08	.07	.07	.08	.06	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.02	.01	.01	.01	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.02	.01	.01	.01	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.17	.20	.01	.01	.00	.00	.00	.00
TRUCKING	.00	.00	.08	.11	.01	.01	.00	.00	.00	.00
WAREHOUSING	.00	.00	.09	.10	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.06	.04	.01	.01	.00	.00	.00	.01
AIR TRANSPORTATION	.00	.00	.11	.11	.06	.07	.07	.05	.00	.00
PIPELINES	2.17	2.18	.00	.01	.01	.01	.02	.01	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.01	.00	.01	.00	.00	.00	.09
COMMUNICATIONS + PUBLIC UTILITIES	2.06	1.42	2.55	2.01	.75	.72	.93	.92	.51	.64
COMMUNICATIONS	.00	.00	.64	.46	.11	.11	.00	.00	.00	.00
TELEPHONE	.00	.00	.48	.33	.08	.07	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.01	.03	.04	.00	.00	.00	.00
RADIO AND TV	.00	.00	.16	.13	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	2.06	1.42	1.90	1.55	.64	.61	.93	.92	.51	.64
ELECTRIC GAS AND STEAM	1.39	1.27	1.67	1.33	.32	.28	.35	.30	.25	.31
WATER AND IRRIGATION	.44	.00	.23	.22	.18	.16	.16	.13	.25	.33
SANITARY SERVICES	.23	.15	.00	.00	.14	.17	.42	.48	.00	.00
WHOLESALE AND RETAIL TRADE	5.00	5.75	8.89	7.78	2.65	2.75	4.23	4.49	2.30	.42
WHOLESALE TRADE	5.00	5.75	7.67	6.80	2.45	2.60	4.06	4.38	2.28	.41
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.27	.24	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.28	.21	1.46	1.50	3.61	3.86	.85	.40
DRY GOODS AND APPAREL	.00	.00	.00	.02	.01	.01	.02	.03	.00	.00
GROCERIES AND RELATED	.00	.00	.10	.06	.04	.04	.13	.11	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	2.03	1.95	.04	.08	.03	.05	.00	.00
MACHINERY AND EQUIPMENT	.64	.35	3.28	3.06	.57	.80	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	4.36	5.39	1.72	1.26	.34	.18	.28	.34	1.44	.02
RETAIL TRADE	.00	.00	1.23	.98	.19	.15	.17	.11	.02	.00
LUMBER BUILDING AND FARM EQUIP	.00	.00	.37	.27	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.00	.00	.14	.19	.01	.01	.03	.02	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.14	.19	.01	.01	.03	.02	.00	.00
FOOD AND DAIRY STORES	.00	.00	.14	.07	.00	.00	.01	.01	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.19	.16	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	.30	.20	.17	.14	.12	.08	.02	.00
DRUG STORES	.00	.00	.00	.00	.03	.02	.09	.06	.00	.00
OTHER RETAIL STORES	.00	.00	.30	.20	.14	.12	.02	.02	.02	.00
FINANCE INSURANCE AND REAL ESTATE	1.22	.85	.12	.08	.32	.82	.03	.02	.18	.21
FINANCE	.55	.54	.00	.01	.08	.11	.00	.00	.01	.01
BANKS AND CREDIT AGENCIES	.55	.54	.00	.01	.07	.10	.00	.00	.01	.01
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.01	.21	.68	.02	.01	.00	.00
REAL ESTATE	.67	.30	.12	.07	.04	.04	.02	.01	.18	.21
SERVICES	11.87	13.89	25.28	29.90	34.85	36.13	20.36	22.79	25.83	25.92
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.01	.01	.02	.00	.00	.01	.01
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.02	.00	.00	.01	.01
MISCELLANEOUS BUSINESS SERVICE	.99	.72	5.56	4.55	6.77	7.25	6.85	7.11	2.55	4.03
ADVERTISING	.00	.00	.00	.01	.00	.01	.00	.04	.00	.00
OTHER MISC BUSINESS SERVICES	.99	.72	5.56	4.54	6.77	7.23	6.85	7.07	2.55	4.03
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.04	.07	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.06	.23	.68	.55	4.47	4.05	3.47	2.88	.97	1.76
HOSPITALS	.06	.23	.26	.27	2.43	2.31	2.20	1.91	.60	.80
OTHER MEDICAL AND HEALTH	.00	.00	.42	.28	2.05	1.74	1.27	.97	.37	.96
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.10	.12	.96	2.17	18.98	19.36	7.84	10.84	21.92	19.73
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.08	.12	.43	.37	1.27	1.07	.07	.09
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.01	.41	.35	1.25	1.05	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.08	.11	.02	.02	.02	.01	.06	.08
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.01	.01	.00	.00	.05	.06
OTHER PROFESSIONAL AND RELAT SERV	10.72	12.83	17.96	22.42	4.17	5.08	.93	.89	.25	.25
ENGINEERING AND ARCHITECT SERV	10.21	12.15	17.23	21.50	.99	1.18	.51	.47	.03	.03
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.09	.07	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.51	.68	.64	.85	3.18	3.90	.42	.42	.23	.22
GOVERNMENT PUBLIC ADMINISTRATION	5.28	4.09	7.03	5.09	14.57	15.38	4.64	6.71	39.52	44.24
FEDERAL PUBLIC ADMINISTRATION	4.91	4.09	6.17	4.53	11.10	11.84	3.65	5.73	26.56	27.38
POSTAL SERVICE	.00	.00	.10	.12	.01	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	4.91	4.09	6.07	4.41	11.09	11.84	3.65	5.73	26.56	27.38
STATE PUBLIC ADMINISTRATION	.00	.00	.11	.11	2.87	3.02	.75	.79	8.88	12.69
LOCAL PUBLIC ADMINISTRATION	.37	.00	.75	.46	.60	.53	.24	.19	4.08	4.18

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INDUSTRY	BIOLOGICAL SCIENTISTS		GEOLOGISTS AND GEOPHYSICISTS		MATHEMATICIANS		PHYSICISTS		OTHER NATURAL SCIENTISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	4.97	4.98	.52	.05	.12	.08	.04	.03	.11	.09
AGRICULTURE	2.00	2.03	.00	.00	.01	.01	.01	.03	.02	.02
FORESTRY	1.25	1.14	.05	.04	.10	.06	.03	.00	.08	.06
FISHERIES	1.72	1.80	.46	.00	.02	.01	.00	.00	.00	.00
MINING	.01	.01	50.45	45.47	.82	.57	.28	.19	.34	.33
METAL MINING	.00	.00	2.12	2.12	.21	.22	.00	.00	.11	.15
COAL MINING	.00	.00	.07	.06	.21	.20	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.01	.01	47.69	42.71	.21	.14	.28	.19	.21	.17
NONMETALLIC MINING AND QUARRYING	.00	.00	.57	.58	.21	.02	.00	.01	.02	.01
CONSTRUCTION	.22	.13	3.89	5.12	1.04	.85	.13	.17	.66	.55
TOTAL MANUFACTURING	18.06	17.58	4.93	6.39	48.36	46.27	34.91	32.12	23.40	22.73
DURABLE GOODS MANUFACTURING	1.50	1.84	2.97	4.27	41.48	40.88	27.05	26.36	6.84	6.53
LUMBER AND WOOD PRODUCTS	.01	.01	.04	.03	.02	.02	.00	.00	.01	.01
LOGGING CAMPS AND CONTRACTORS	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.01	.01	.03	.02	.01	.02	.00	.00	.01	.01
FURNITURE AND FIXTURES	.00	.00	.00	.00	.21	.13	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.02	.02	.79	.84	.62	.59	.28	.57	.42	.43
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.06	.07
CEMENT CONCRETE AND PLASTER	.00	.00	.79	.84	.00	.00	.00	.00	.20	.22
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.02	.02	.00	.00	.62	.59	.28	.57	.15	.13
PRIMARY METAL INDUSTRIES	.00	.00	.32	.23	.82	.74	.28	.38	.21	.17
BLAST FURNACE AND STEEL WORKS	.00	.00	.10	.07	.34	.30	.08	.14	.08	.10
OTHER PRIMARY METAL IND	.00	.00	.02	.01	.22	.20	.06	.05	.03	.02
PRIMARY NONFERROUS METAL	.00	.00	.20	.15	.26	.23	.14	.19	.10	.05
FABRICATED METAL PRODUCTS NEC	.46	.85	.39	1.73	10.27	9.41	8.79	8.21	1.07	1.22
MACHINERY EXCEPT ELECTRICAL	.20	.15	.39	.34	9.88	10.43	1.95	2.78	.24	.32
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.06	.07	.11	.10	.02	.02
OFFICE MACHINERY	.07	.05	.13	.11	8.84	9.30	1.68	2.33	.17	.27
MISCELLANEOUS MACHINERY	.13	.09	.26	.23	.99	1.07	.17	.35	.04	.04
ELECTRICAL MACHINERY	.40	.30	.79	.69	8.85	7.76	8.07	6.76	3.16	2.15
TRANSPORTATION EQUIPMENT	.20	.22	.19	.34	9.70	10.24	4.34	3.61	1.23	1.17
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.98	.73	.42	.38	.25	.30
AIR CRAFT AND ENGINES	.20	.22	.00	.00	8.36	9.17	3.76	3.10	.72	.65
SHIP AND BOATBUILDING AND REP	.00	.00	.19	.34	.36	.34	.17	.13	.26	.22
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.20	.30	.00	.00	1.03	1.28	3.06	3.87	.42	.98
INSTRUMENTS EXCEPT CLOCKS	.20	.30	.00	.00	1.03	1.28	3.00	3.80	.42	.98
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.06	.08	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.06	.06	.08	.28	.28	.17	.08	.08
NONDURABLE GOODS MANUFACTURING	16.57	15.74	1.96	2.12	6.87	5.39	7.86	5.77	16.56	16.20
FOOD AND KINDRED PRODUCTS	1.82	1.74	.00	.00	.41	.30	.13	.10	2.08	1.97
MEAT PRODUCTS	.06	.06	.00	.00	.00	.00	.00	.00	.17	.16
DAIRY PRODUCTS	.51	.40	.00	.00	.00	.00	.00	.00	.18	.16
CANNING PRESERVES + FREEZING	.20	.19	.00	.00	.00	.00	.08	.06	.55	.50
GRAIN MILL PRODUCTS	.40	.32	.00	.00	.41	.30	.06	.04	.36	.34
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.34	.36	.00	.00	.00	.00	.00	.00	.19	.19
OTHER FOOD PRODUCTS	.31	.40	.00	.00	.00	.00	.00	.00	.62	.63
TOBACCO MANUFACTURING	.02	.02	.00	.00	.02	.02	.03	.02	.02	.03
TEXTILE MILL PRODUCTS	.00	.00	.01	.01	.21	.41	.06	.05	.08	.12
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.21	.06	.00	.00	.01	.01
PAPER AND ALLIED PRODUCTS	.05	.05	.02	.03	1.03	.89	.28	.38	1.05	1.70
PULP PAPER AND BOARD MILLS	.05	.05	.01	.01	.00	.00	.01	.00	1.05	1.70
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.01	.01	1.03	.89	.27	.38	.00	.00
PRINTING AND PUBLISHING	.00	.00	.00	.00	.12	.09	.00	.01	.03	.02
CHEMICALS AND ALLIED PRODUCTS	14.64	13.91	.73	1.05	4.26	3.19	6.53	4.70	12.44	11.31
SYNTHETIC FIBERS	.16	.14	.01	.01	.25	.20	.34	.31	.19	.33
DRUGS AND MEDICINE	11.23	11.20	.03	.02	.56	.48	.18	.16	10.53	9.47
PAINTS AND VARNISHES AND REL	.16	.12	.02	.02	.13	.13	.08	.04	.16	.13
OTHER CHEMICALS	3.09	2.45	.66	.99	3.33	2.38	5.92	4.18	1.56	1.39
PETROLEUM REFIN AND COAL PROD	.00	.00	1.18	1.02	.41	.28	.56	.37	.21	.16
PETROLEUM REFINING	.00	.00	1.17	1.00	.41	.28	.51	.34	.21	.16
OTHER PETROL AND COAL PRODUCT	.00	.00	.01	.01	.00	.00	.04	.03	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.02	.02	.02	.02	.21	.15	.28	.14	.63	.86
RUBBER PRODUCTS	.02	.02	.02	.02	.00	.00	.14	.05	.63	.86
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.21	.15	.14	.09	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	BIOLOGICAL SCIENTISTS		GEOLOGISTS AND GEOPHYSICISTS		MATHEMATICIANS		PHYSICISTS		OTHER NATURAL SCIENTISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.10	.11	2.26	2.07	2.13	2.20	.07	.05	.33	.35
TRANSPORTATION	.00	.00	.19	.17	.62	.74	.00	.00	.15	.17
RAILROADS	.00	.00	.18	.17	.21	.26	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.08	.07	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.08	.07	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.10	.09	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.10	.09	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.07	.06	.00	.00	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.12	.23	.00	.00	.15	.17
PIPELINES	.00	.00	.00	.01	.03	.03	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.10	.11	2.07	1.90	1.52	1.47	.07	.05	.18	.17
COMMUNICATIONS	.00	.00	.00	.00	.82	.77	.00	.00	.01	.01
TELEPHONE	.00	.00	.00	.00	.59	.50	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.23	.27	.00	.00	.01	.01
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.10	.11	2.07	1.90	.69	.70	.07	.05	.17	.17
ELECTRIC GAS AND STEAM	.00	.00	1.04	.96	.64	.57	.06	.05	.07	.07
WATER AND IRRIGATION	.10	.11	1.03	.96	.05	.04	.01	.01	.09	.09
SANITARY SERVICES	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.77	.68	.69	1.16	4.50	5.58	.56	.55	1.69	1.67
WHOLESALE TRADE	.75	.68	.67	1.15	4.50	5.58	.55	.54	.70	.75
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.75	.68	.00	.00	.00	.00	.00	.00	.70	.75
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.25	.42	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.07	.09	4.25	5.16	.00	.54	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.60	1.06	.00	.00	.55	.00	.00	.00
RETAIL TRADE	.02	.00	.02	.01	.00	.00	.01	.01	.99	.92
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.02	.00	.02	.01	.00	.00	.01	.01	.99	.92
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.02	.00	.02	.01	.00	.00	.01	.01	.99	.92
FINANCE INSURANCE AND REAL ESTATE	.01	.01	.14	.19	1.84	5.30	.00	.00	.26	.25
FINANCE	.00	.00	.06	.07	.51	.70	.00	.00	.03	.03
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.51	.70	.00	.00	.00	.03
SECURITY AND INVESTMENT SERVICE	.00	.00	.06	.07	.00	.00	.00	.00	.03	.00
INSURANCE	.00	.00	.00	.00	1.33	4.60	.00	.00	.18	.16
REAL ESTATE	.01	.01	.08	.11	.00	.00	.00	.00	.05	.06
SERVICES	56.69	57.70	26.09	28.02	29.73	30.96	50.95	50.16	53.13	51.77
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.08	.08	.00	.00	.00	.00	.00	.04	.01	.01
LAUNDRY CLEANERS AND VALET	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.08	.00	.00	.00	.00	.00	.04	.01	.01
MISCELLANEOUS BUSINESS SERVICE	2.61	2.83	8.67	10.52	9.88	9.05	14.47	13.00	4.42	6.19
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	2.61	2.83	8.67	10.52	9.88	9.05	14.47	13.00	4.42	6.19
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	16.84	15.84	.08	.08	.64	.45	.99	.73	5.77	4.51
HOSPITALS	9.83	9.75	.02	.02	.51	.34	.97	.72	1.07	.92
OTHER MEDICAL AND HEALTH	7.02	6.09	.06	.06	.13	.11	.01	.01	4.70	3.60
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	29.88	30.55	11.82	9.99	10.50	10.74	28.82	29.51	37.88	34.13
NONPROFIT MEMBER ORGANIZATIONS	.06	.07	.00	.00	.06	.00	.00	.00	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.06	.07	.00	.00	.00	.00	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	7.22	8.32	5.52	7.42	8.65	10.71	6.68	6.88	5.05	6.93
ENGINEERING AND ARCHITECT SERV	.20	.29	3.15	4.31	2.47	2.35	1.95	2.68	.42	.79
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	7.02	8.04	2.36	3.12	6.18	8.37	4.73	4.20	4.63	6.13
GOVERNMENT PUBLIC ADMINISTRATION	19.16	18.80	11.04	11.53	11.46	8.17	13.06	16.73	20.09	22.26
FEDERAL PUBLIC ADMINISTRATION	10.03	10.85	8.69	8.75	11.01	7.70	13.06	16.73	17.89	19.53
POSTAL SERVICE	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	10.03	10.85	8.69	8.75	10.94	7.70	13.06	16.73	17.89	19.53
STATE PUBLIC ADMINISTRATION	8.82	7.71	2.15	2.46	.24	.25	.00	.00	2.20	2.73
LOCAL PUBLIC ADMINISTRATION	.31	.25	.20	.31	.21	.22	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TECHNICIANS, EXC MEDICAL, DENTAL		DRAFTSMEN		SURVEYORS		AIR TRAFFIC CONTROLLERS		RADIO OPERATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.93	1.07	.05	.03	.96	.75	.00	.00	.21	.18
AGRICULTURE	.67	.76	.00	.00	.00	.00	.00	.00	.00	.00
FORESTRY	.25	.31	.03	.03	.95	.75	.00	.00	.21	.18
FISHERIES	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00
MINING	.99	.89	1.20	.87	2.93	2.93	.00	.00	.91	.94
METAL MINING	.12	.11	.08	.06	.54	.58	.00	.00	.13	.12
COAL MINING	.13	.10	.03	.02	.86	.90	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.67	.60	1.02	.74	1.31	1.23	.00	.00	.78	.82
NONMETALLIC MINING AND QUARRYING	.07	.07	.06	.04	.22	.22	.00	.00	.00	.00
CONSTRUCTION	9.97	11.21	10.97	10.94	29.65	27.68	.00	.00	1.72	1.92
TOTAL MANUFACTURING	42.99	41.42	48.53	49.33	3.77	3.97	.00	.00	3.65	3.74
DURABLE GOODS MANUFACTURING	35.74	34.05	45.50	46.53	3.31	3.48	.00	.00	3.13	3.25
LUMBER AND WOOD PRODUCTS	.20	.16	.43	.31	.20	.34	.00	.00	.30	.43
LOGGING CAMPS AND CONTRACTORS	.01	.01	.01	.01	.10	.14	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.19	.15	.41	.31	.10	.20	.00	.00	.30	.43
FURNITURE AND FIXTURES	.52	.48	1.54	1.51	.00	.00	.00	.00	.00	.00
STONE, CLAY AND GLASS PRODUCTS	.51	.68	.84	.91	.19	.28	.00	.00	.11	.08
GLASS AND GLASS PRODUCTS	.14	.19	.25	.28	.00	.00	.00	.00	.11	.08
CEMENT CONCRETE AND PLASTER	.13	.22	.21	.32	.19	.28	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.03	.05	.02	.02	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.04	.05	.05	.05	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.17	.19	.30	.24	.00	.00	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	1.47	1.66	1.65	1.45	.40	.39	.00	.00	.00	.00
BLAST FURNACE AND STEEL WORKS	.72	.75	.58	.46	.32	.32	.00	.00	.00	.00
OTHER PRIMARY METAL IND	.30	.39	.56	.49	.07	.07	.00	.00	.00	.00
PRIMARY NONFERROUS METAL	.45	.52	.51	.50	.01	.01	.00	.00	.00	.00
FABRICATED METAL PRODUCTS NEC	4.67	4.10	7.31	6.60	.20	.06	.00	.00	.58	.74
MACHINERY EXCEPT ELECTRICAL	7.10	8.50	12.86	15.22	.59	.63	.00	.00	.00	.00
FARM MACHINERY AND EQUIPMENT	.33	.34	.56	.59	.00	.00	.00	.00	.00	.00
OFFICE MACHINERY	1.78	3.37	1.20	1.99	.39	.47	.00	.00	.00	.00
MISCELLANEOUS MACHINERY	4.99	4.80	11.10	12.64	.20	.16	.00	.00	.00	.00
ELECTRICAL MACHINERY	10.48	10.70	10.21	11.17	1.37	1.50	.00	.00	1.32	1.45
TRANSPORTATION EQUIPMENT	8.50	5.24	7.85	6.53	.31	.21	.00	.00	.70	.40
MOTOR VEHICLES AND EQUIPMENT	1.56	1.46	2.12	1.80	.01	.00	.00	.00	.00	.00
AIR CRAFT AND ENGINES	5.55	2.62	3.49	3.08	.03	.04	.00	.00	.33	.10
SHIP AND BOATBUILDING AND REP	1.20	.98	1.69	1.12	.20	.11	.00	.00	.37	.31
RR AND OTHER TRANSPORT EQUIP	.19	.18	.55	.53	.07	.06	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	2.00	2.23	2.33	2.32	.06	.06	.00	.00	.13	.14
INSTRUMENTS EXCEPT CLOCKS	1.95	2.19	2.24	2.22	.06	.06	.00	.00	.00	.00
WATCHES AND CLOCK DEVICES	.05	.05	.09	.10	.00	.00	.00	.00	.13	.14
MISCELLANEOUS MANUFACTURING	.29	.28	.48	.50	.00	.00	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	7.25	7.38	3.03	2.80	.46	.48	.00	.00	.52	.49
FOOD AND KINDRED PRODUCTS	1.26	.85	.23	.19	.06	.10	.00	.00	.15	.14
MEAT PRODUCTS	.07	.05	.02	.02	.00	.00	.00	.00	.00	.00
DAIRY PRODUCTS	.41	.32	.02	.02	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.21	.15	.02	.02	.04	.08	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.18	.07	.05	.05	.00	.00	.00	.00	.05	.03
BAKERY PRODUCTS	.03	.02	.02	.01	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.10	.06	.04	.04	.00	.00	.00	.00	.10	.11
OTHER FOOD PRODUCTS	.27	.18	.04	.03	.02	.02	.00	.00	.00	.00
TOBACCO MANUFACTURING	.05	.04	.03	.02	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.16	.34	.15	.10	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.03	.05	.01	.06	.03	.03	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.62	1.09	.42	.43	.20	.18	.00	.00	.32	.33
PULP PAPER AND BOARD MILLS	.46	.71	.17	.15	.20	.18	.00	.00	.22	.24
PAPERBOARD CONTAINERS + BOXES	.09	.17	.15	.16	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.08	.21	.10	.12	.00	.00	.00	.00	.11	.09
PRINTING AND PUBLISHING	.10	.06	.09	.06	.00	.00	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	4.11	3.99	1.33	1.24	.07	.07	.00	.00	.04	.03
SYNTHETIC FIBERS	.20	.36	.09	.08	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	1.11	1.25	.07	.06	.03	.03	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.23	.24	.02	.02	.02	.02	.00	.00	.00	.00
OTHER CHEMICALS	2.57	2.15	1.15	1.08	.02	.02	.00	.00	.04	.03
PETROLEUM REFIN AND COAL PROD	.44	.48	.23	.18	.04	.03	.00	.00	.00	.00
PETROLEUM REFINING	.41	.46	.21	.17	.03	.03	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.03	.02	.02	.02	.01	.01	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.46	.46	.52	.49	.07	.07	.00	.00	.00	.00
RUBBER PRODUCTS	.30	.30	.24	.20	.03	.03	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.16	.16	.27	.29	.04	.04	.00	.00	.00	.00
LEATHER PRODUCTS	.03	.02	.03	.03	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.02	.02	.03	.03	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TECHNICIANS,EXC MEDICAL,DENTAL		DRAFTSMEN		SURVEYORS		AIR TRAFFIC CONTROLLERS		RADIO OPERATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	7.41	6.59	3.65	2.92	7.25	8.70	.00	.00	41.87	33.02
TRANSPORTATION	1.33	1.11	.74	.51	2.35	2.32	.00	.00	26.13	22.19
RAILROADS	.46	.36	.58	.37	1.56	1.48	.00	.00	.03	.02
LOCAL AND INTERURBAN PASSENGER	.14	.13	.02	.01	.00	.00	.00	.00	6.21	5.47
LOCAL + INTERURBAN EXC TAXIS	.01	.02	.02	.01	.00	.00	.00	.00	.30	.44
TAXIS	.13	.11	.00	.00	.00	.00	.00	.00	5.91	5.03
TRUCKING AND WAREHOUSING	.03	.04	.00	.00	.00	.00	.00	.00	1.18	1.48
TRUCKING	.03	.04	.00	.00	.00	.00	.00	.00	1.18	1.48
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.12	.14	.03	.03	.08	.11	.00	.00	4.85	5.12
AIR TRANSPORTATION	.47	.32	.03	.03	.01	.01	.00	.00	13.45	9.68
PIPELINES	.06	.07	.07	.05	.04	.04	.00	.00	.00	.00
TRANSPORTATION SERVICES	.06	.06	.01	.01	.65	.67	.00	.00	.40	.42
COMMUNICATIONS + PUBLIC UTILITIES	6.08	5.48	2.90	2.41	4.90	6.39	.00	.00	15.74	10.83
COMMUNICATIONS	3.79	2.76	.42	.38	.59	.62	.00	.00	13.82	9.43
TELEPHONE	1.93	1.72	.34	.29	.59	.62	.00	.00	1.17	.93
TELEGRAPH	.38	.21	.07	.07	.00	.00	.00	.00	.87	.41
RADIO AND TV	1.48	.82	.01	.01	.00	.00	.00	.00	11.77	8.08
PUBLIC UTILITIES	2.29	2.72	2.48	2.03	4.31	5.77	.00	.00	1.92	1.40
ELECTRIC GAS AND STEAM	1.97	2.16	2.32	1.75	3.15	3.36	.00	.00	1.56	.70
WATER AND IRRIGATION	.23	.48	.09	.17	.99	2.23	.00	.00	.36	.71
SANITARY SERVICES	.09	.08	.08	.11	.17	.19	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	3.40	3.68	1.75	1.60	.00	.08	.00	.00	.52	.42
WHOLESALE TRADE	2.71	2.95	1.05	1.09	.00	.07	.00	.00	.48	.39
MOTOR VEHICLES AND EQUIPMENT	.13	.14	.00	.01	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.26	.26	.08	.10	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.03	.02	.00	.00	.00	.00	.00	.00	.39	.32
GROCERIES AND RELATED	.13	.05	.03	.02	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.60	.66	.03	.02	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	1.08	1.40	.37	.35	.00	.05	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.48	.42	.54	.58	.00	.01	.00	.00	.09	.08
RETAIL TRADE	.69	.73	.70	.51	.00	.01	.00	.00	.04	.02
LUMBER BUILDING AND FARM EQUIP	.10	.05	.21	.12	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.09	.07	.16	.13	.00	.00	.00	.00	.00	.00
LIMITED PRICE STORES	.04	.03	.02	.02	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.04	.04	.15	.12	.00	.00	.00	.00	.00	.00
FOOD AND DAIRY STORES	.03	.02	.05	.04	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.09	.08	.14	.12	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.08	.07	.12	.09	.00	.00	.00	.00	.00	.00
GAS STATIONS	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.21	.38	.02	.02	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.15	.12	.10	.08	.00	.00	.00	.00	.04	.02
DRUG STORES	.06	.05	.04	.03	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.09	.07	.06	.04	.00	.00	.00	.00	.04	.02
FINANCE INSURANCE AND REAL ESTATE	.17	.13	.22	.16	.00	.07	.00	.00	.22	.15
FINANCE	.01	.02	.02	.02	.00	.01	.00	.00	.11	.07
BANKS AND CREDIT AGENCIES	.00	.02	.01	.01	.00	.01	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.01	.00	.00	.00	.00	.00	.11	.07
INSURANCE	.14	.08	.13	.09	.00	.01	.00	.00	.11	.08
REAL ESTATE	.02	.02	.03	.05	.00	.05	.00	.00	.00	.00
SERVICES	22.15	24.51	31.45	31.75	46.67	48.12	.00	.00	2.90	6.05
HOTELS AND OTHER LODGING PLACES	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.04	.06	.00	.00	.00	.01	.00	.00	.03	.03
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.04	.06	.00	.00	.00	.01	.00	.00	.03	.03
MISCELLANEOUS BUSINESS SERVICE	4.06	5.58	4.04	3.54	.00	1.83	.00	.00	1.93	5.46
ADVERTISING	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	4.06	5.58	4.04	3.54	.00	1.82	.00	.00	1.93	5.46
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04
OTHER REPAIR SERVICE	.08	.06	.02	.02	.00	.00	.00	.00	.02	.01
MOTION PICTURES AND THEATRES	.16	.11	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.20	.17	.04	.05	.01	.00	.00	.00	.00	.00
HOSPITALS	.17	.11	.03	.03	.01	.00	.00	.00	.00	.00
OTHER MEDICAL AND HEALTH	.03	.06	.01	.02	.00	.00	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	5.01	5.46	.52	.49	1.71	1.59	.00	.00	.34	.22
NONPROFIT MEMBER ORGANIZATIONS	.18	.13	.10	.07	.00	.00	.00	.00	.44	.26
WELFARE AND RELIGIOUS ORGANS	.01	.01	.04	.03	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.16	.11	.06	.04	.00	.00	.00	.00	.44	.26
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	12.42	12.91	26.70	27.56	44.96	44.69	.00	.00	.10	.03
ENGINEERING AND ARCHITECT SERV	11.81	12.17	26.43	27.25	44.40	44.13	.00	.00	.10	.03
ACCOUNTING AND BOOKKEEPING SERV	.00	.01	.01	.04	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.60	.73	.26	.27	.55	.55	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	11.99	10.51	2.19	2.40	8.77	7.70	100.00	100.00	48.00	53.57
FEDERAL PUBLIC ADMINISTRATION	9.26	7.35	1.09	1.15	1.90	2.10	100.00	100.00	14.87	9.68
POSTAL SERVICE	.03	.02	.02	.02	.00	.00	.00	.00	.00	.01
OTHER FEDERAL PUBLIC ADMIN	9.24	7.34	1.07	1.13	1.90	2.10	100.00	100.00	14.87	9.68
STATE PUBLIC ADMINISTRATION	1.34	1.40	.17	.34	.28	.22	.00	.00	9.69	11.68
LOCAL PUBLIC ADMINISTRATION	1.38	1.76	.93	.91	6.59	5.38	.00	.00	23.43	32.21

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TECHNICIANS, OTHER		MEDICAL AND OTHER HEALTH WORKERS		DENTISTS		DIETITIANS AND NUTRITIONISTS		NURSES, PROFESSIONAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	1.42	1.69	1.03	1.02	.00	.00	.03	.02	.00	.00
AGRICULTURE	1.12	1.26	1.03	1.02	.00	.00	.03	.02	.00	.00
FORESTRY	.31	.43	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.76	.76	.01	.01	.00	.00	.00	.00	.01	.01
METAL MINING	.11	.10	.01	.01	.00	.00	.00	.00	.01	.01
COAL MINING	.13	.08	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.46	.49	.00	.00	.00	.00	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.06	.08	.00	.00	.00	.00	.00	.00	.00	.00
CONSTRUCTION	8.44	10.70	.00	.01	.00	.00	.07	.00	.00	.01
TOTAL MANUFACTURING	46.33	42.96	.72	.73	.00	.00	2.36	3.29	.92	.97
DURABLE GOODS MANUFACTURING	35.87	32.24	.36	.40	.00	.00	1.47	2.11	.60	.63
LUMBER AND WOOD PRODUCTS	.09	.07	.00	.01	.00	.00	.00	.00	.01	.02
LOGGING CAMPS AND CONTRACTORS	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01
SAWMILLS MILLWORK + MISC WOOD	.09	.07	.00	.00	.00	.00	.00	.00	.01	.01
FURNITURE AND FIXTURES	.08	.03	.00	.01	.00	.00	.00	.00	.01	.01
STONE CLAY AND GLASS PRODUCTS	.39	.64	.01	.02	.00	.00	.00	.00	.03	.03
GLASS AND GLASS PRODUCTS	.10	.16	.01	.01	.00	.00	.00	.00	.01	.01
CEMENT CONCRETE AND PLASTER	.09	.17	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.04	.07	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.04	.05	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.14	.19	.01	.01	.00	.00	.00	.00	.01	.01
PRIMARY METAL INDUSTRIES	1.57	1.97	.05	.05	.00	.00	.00	.00	.10	.10
BLAST FURNACE AND STEEL WORKS	.88	.98	.02	.02	.00	.00	.00	.00	.03	.04
OTHER PRIMARY METAL IND	.20	.39	.02	.01	.00	.00	.00	.00	.03	.03
PRIMARY NONFERROUS METAL	.48	.60	.01	.02	.00	.00	.00	.00	.03	.03
FABRICATED METAL PRODUCTS NEC	4.01	3.39	.04	.07	.00	.00	.00	.00	.08	.13
MACHINERY EXCEPT ELECTRICAL	5.22	6.26	.07	.10	.00	.00	.53	.80	.13	.17
FARM MACHINERY AND EQUIPMENT	.26	.25	.01	.01	.00	.00	.04	.06	.01	.01
OFFICE MACHINERY	2.33	4.52	.01	.02	.00	.00	.00	.00	.02	.03
MISCELLANEOUS MACHINERY	2.64	1.49	.05	.07	.00	.00	.49	.74	.10	.13
ELECTRICAL MACHINERY	12.06	11.84	.07	.07	.00	.00	.70	1.00	.11	.10
TRANSPORTATION EQUIPMENT	10.09	5.32	.06	.05	.00	.00	.10	.07	.10	.07
MOTOR VEHICLES AND EQUIPMENT	1.52	1.51	.03	.02	.00	.00	.00	.00	.05	.03
AIR CRAFT AND ENGINES	7.44	2.77	.02	.03	.00	.00	.00	.00	.03	.03
SHIP AND BOATBUILDING AND REP	1.10	1.03	.01	.00	.00	.00	.00	.00	.02	.01
RR AND OTHER TRANSPORT EQUIP	.03	.02	.00	.00	.00	.00	.10	.07	.01	.00
PROF SCIENTIFIC INSTRUMENTS	2.13	2.51	.04	.03	.00	.00	.15	.24	.01	.00
INSTRUMENTS EXCEPT CLOCKS	2.10	2.48	.04	.03	.00	.00	.15	.24	.01	.00
WATCHES AND CLOCK DEVICES	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.23	.20	.00	.00	.00	.00	.00	.00	.01	.01
NONDURABLE GOODS MANUFACTURING	10.46	10.72	.36	.33	.00	.00	.89	1.18	.32	.34
FOOD AND KINDRED PRODUCTS	1.96	1.30	.03	.04	.00	.00	.39	.52	.06	.05
MEAT PRODUCTS	.10	.07	.00	.00	.00	.00	.00	.00	.01	.01
DAIRY PRODUCTS	.68	.52	.00	.00	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.33	.24	.01	.01	.00	.00	.12	.15	.02	.02
GRAIN MILL PRODUCTS	.27	.09	.01	.01	.00	.00	.27	.36	.00	.00
BAKERY PRODUCTS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.14	.08	.00	.01	.00	.00	.00	.00	.01	.01
OTHER FOOD PRODUCTS	.42	.28	.01	.01	.00	.00	.00	.00	.01	.01
TOBACCO MANUFACTURING	.07	.05	.00	.00	.00	.00	.00	.00	.01	.01
TEXTILE MILL PRODUCTS	.18	.51	.01	.01	.00	.00	.00	.05	.03	.03
APPAREL AND ACCESSORIES	.05	.06	.00	.01	.00	.00	.00	.00	.01	.03
PAPER AND ALLIED PRODUCTS	.79	1.55	.03	.03	.00	.00	.00	.00	.06	.05
PULP PAPER AND BOARD MILLS	.65	1.08	.02	.02	.00	.00	.00	.00	.04	.04
PAPERBOARD CONTAINERS + BOXES	.07	.19	.00	.00	.00	.00	.00	.00	.01	.01
ALL OTHER PAPER PRODUCTS	.07	.28	.00	.00	.00	.00	.00	.00	.01	.01
PRINTING AND PUBLISHING	.11	.06	.01	.02	.00	.00	.00	.00	.01	.01
CHEMICALS AND ALLIED PRODUCTS	6.14	5.97	.25	.21	.00	.00	.00	.14	.03	.02
SYNTHETIC FIBERS	.29	.55	.01	.01	.00	.00	.00	.50	.48	.09	.11
DRUGS AND MEDICINE	1.81	2.03	.17	.13	.00	.00	.00	.00	.02	.01
PAINTS AND VARNISHES AND REL	.36	.38	.00	.00	.00	.00	.00	.00	.01	.02
OTHER CHEMICALS	3.68	3.00	.06	.07	.00	.00	.00	.00	.00	.00
PETROLEUM REFIN AND COAL PROD	.61	.70	.01	.01	.00	.00	.00	.00	.01	.01
PETROLEUM REFINING	.58	.67	.01	.01	.00	.00	.00	.00	.01	.01
OTHER PETROL AND COAL PRODUCT	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.49	.50	.01	.01	.00	.00	.00	.00	.03	.02
RUBBER PRODUCTS	.37	.39	.01	.00	.00	.00	.00	.00	.01	.01
MISCELLANEOUS PLASTIC PRODUCT	.13	.11	.01	.00	.00	.00	.00	.00	.02	.01
LEATHER PRODUCTS	.04	.03	.00	.00	.00	.00	.00	.00	.01	.01
LEATHER TANNING AND FINISHING	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00

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INDUSTRY	TECHNICIANS, OTHER		MEDICAL AND OTHER HEALTH WORKERS		DENTISTS		DIETITIANS AND NUTRITIONISTS		NURSES, PROFESSIONAL	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	8.32	7.52	.07	.07	.00	.00	.35	.27	.07	.07
TRANSPORTATION	.68	.59	.03	.03	.00	.00	.13	.12	.02	.03
RAILROADS	.33	.28	.01	.01	.00	.00	.03	.01	.01	.01
LOCAL AND INTERURBAN PASSENGER	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.03	.00	.01	.00	.00	.10	.11	.00	.01
AIR TRANSPORTATION	.26	.16	.01	.01	.00	.00	.00	.00	.01	.02
PIPELINES	.06	.09	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	7.64	6.93	.04	.04	.00	.00	.23	.15	.05	.04
COMMUNICATIONS	5.53	3.99	.02	.02	.00	.00	.08	.00	.03	.03
TELEPHONE	2.94	2.62	.02	.02	.00	.00	.08	.00	.03	.03
TELEGRAPH	.57	.30	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	2.02	1.06	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	2.11	2.95	.02	.02	.00	.00	.15	.15	.02	.01
ELECTRIC GAS AND STEAM	1.78	2.38	.01	.01	.00	.00	.04	.02	.02	.01
WATER AND IRRIGATION	.23	.50	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.10	.07	.00	.00	.00	.00	.11	.13	.00	.00
WHOLESALE AND RETAIL TRADE	4.74	5.25	6.55	4.83	.08	.11	5.46	6.40	.12	.13
WHOLESALE TRADE	3.96	4.31	.14	.12	.00	.00	.10	.04	.02	.03
MOTOR VEHICLES AND EQUIPMENT	.21	.23	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.39	.38	.06	.04	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.20	.08	.02	.02	.00	.00	.00	.00	.01	.00
ELECTRIC HARDWARE AND PLUMBING	.98	1.08	.00	.00	.00	.00	.04	.02	.00	.00
MACHINERY AND EQUIPMENT	1.61	2.13	.05	.05	.00	.00	.00	.00	.00	.01
MISCELLANEOUS WHOLESALE TRADE	.53	.39	.01	.01	.00	.00	.00	.00	.00	.00
RETAIL TRADE	.78	.94	6.41	4.72	.08	.11	5.36	6.37	.09	.10
LUMBER BUILDING AND FARM EQUIP	.05	.02	.00	.00	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.06	.05	.07	.06	.00	.00	.72	1.17	.07	.07
LIMITED PRICE STORES	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.01	.07	.06	.00	.00	.72	1.17	.07	.07
FOOD AND DAIRY STORES	.02	.01	.00	.00	.00	.00	.12	.05	.00	.00
AUTO DEALERS AND GAS STATIONS	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.01	.01	.00	.00	.00	.00	.02	.02
FURNITURE AND APPLIANCES	.34	.62	.00	.00	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.02	.02	.08	.07	.00	.00	4.37	4.89	.00	.00
MISCELLANEOUS RETAIL STORES	.20	.16	6.25	4.56	.08	.11	.14	.25	.00	.00
DRUG STORES	.07	.07	6.08	4.53	.00	.00	.14	.25	.00	.00
OTHER RETAIL STORES	.13	.09	.17	.03	.08	.11	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.16	.12	.07	.07	.00	.00	.63	.78	.07	.07
FINANCE	.00	.02	.02	.02	.00	.00	.53	.74	.03	.03
BANKS AND CREDIT AGENCIES	.00	.02	.02	.02	.00	.00	.53	.74	.02	.02
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.16	.09	.05	.04	.00	.00	.10	.04	.04	.03
REAL ESTATE	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01
SERVICES	16.79	20.33	90.63	92.35	99.37	99.12	88.88	86.93	98.38	98.39
HOTELS AND OTHER LODGING PLACES	.00	.02	.05	.06	.00	.00	1.44	2.10	.01	.01
OTHER PERSONAL SERVICES	.06	.10	.17	.16	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.06	.09	.17	.16	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	4.62	7.08	.10	.19	.00	.00	1.42	5.33	.01	.02
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	4.62	7.08	.10	.19	.00	.00	1.42	5.33	.01	.02
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.12	.09	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.26	.19	.02	.02	.02	.03	.00	.00	.02	.03
MISC ENTERTAINMENT AND RECREATION	.00	.01	.02	.03	.00	.00	.00	.00	.00	.01
MEDICAL AND OTHER HEALTH SERVICES	.31	.26	85.83	86.60	97.97	98.40	64.82	58.39	94.26	93.36
HOSPITALS	.26	.17	47.30	49.82	1.60	1.49	48.95	39.68	66.04	71.78
OTHER MEDICAL AND HEALTH	.05	.09	38.53	36.78	96.37	96.92	15.86	18.71	28.22	21.58
LEGAL SERVICES	.00	.00	.02	.04	.08	.33	.00	.00	.01	.01
EDUCATIONAL SERVICES	7.91	8.64	3.42	4.18	.55	.98	16.57	15.20	3.11	3.98
NONPROFIT MEMBER ORGANIZATIONS	.22	.17	.62	.73	.68	1.30	4.34	5.51	.73	.79
WELFARE AND RELIGIOUS ORGANS	.00	.01	.55	.67	.68	1.30	3.22	4.41	.71	.77
OTHER NONPROFIT ORGANIZATIONS	.22	.16	.07	.06	.00	.00	1.12	1.10	.02	.02
PRIVATE HOUSEHOLD SERVICES	.00	.00	.07	.05	.00	.00	.05	.01	.16	.10
OTHER PROFESSIONAL AND RELAT SERV	3.28	3.77	.31	.30	.07	.09	.25	.39	.06	.07
ENGINEERING AND ARCHITECT SERV	2.46	2.75	.01	.01	.00	.00	.15	.38	.01	.01
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.83	1.03	.30	.28	.07	.09	.10	.01	.05	.06
GOVERNMENT PUBLIC ADMINISTRATION	13.03	10.69	.92	.90	.55	.77	2.23	2.29	.43	.36
FEDERAL PUBLIC ADMINISTRATION	10.85	8.14	.47	.44	.34	.44	1.72	1.91	.16	.13
POSTAL SERVICE	.03	.02	.01	.01	.00	.00	.52	.52	.00	.00
OTHER FEDERAL PUBLIC ADMIN	10.81	8.12	.46	.44	.34	.44	1.20	1.38	.16	.13
STATE PUBLIC ADMINISTRATION	1.77	1.70	.25	.25	.21	.33	.39	.34	.13	.09
LOCAL PUBLIC ADMINISTRATION	.41	.85	.19	.20	.00	.00	.12	.05	.14	.14

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPTOMETRISTS		OSTEOPATHS		PHARMACISTS		PHYSICIANS AND SURGEONS		PSYCHOLOGISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
METAL MINING	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
COAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONSTRUCTION	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
TOTAL MANUFACTURING	.20	.20	.00	.00	2.11	1.71	.43	.50	1.48	1.29
DURABLE GOODS MANUFACTURING	.20	.20	.00	.00	.13	.12	.27	.35	.96	.83
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND FIXTURES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
PRIMARY METAL INDUSTRIES	.00	.00	.00	.00	.00	.00	.07	.07	.00	.00
BLAST FURNACE AND STEEL WORKS	.00	.00	.00	.00	.00	.00	.04	.05	.00	.00
OTHER PRIMARY METAL IND	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
PRIMARY NONFERROUS METAL	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
FABRICATED METAL PRODUCTS NEC	.00	.00	.00	.00	.00	.00	.00	.01	.33	.29
MACHINERY EXCEPT ELECTRICAL	.00	.00	.00	.00	.00	.00	.04	.06	.33	.35
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OFFICE MACHINERY	.00	.00	.00	.00	.00	.00	.00	.00	.33	.35
MISCELLANEOUS MACHINERY	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
ELECTRICAL MACHINERY	.00	.00	.00	.00	.00	.00	.04	.07	.07	.06
TRANSPORTATION EQUIPMENT	.00	.00	.00	.00	.00	.00	.07	.09	.12	.09
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.04	.03	.00	.00
AIR CRAFT AND ENGINES	.00	.00	.00	.00	.00	.00	.02	.05	.12	.09
SHIP AND BOATBUILDING AND REP	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.20	.20	.00	.00	.13	.12	.03	.02	.11	.05
INSTRUMENTS EXCEPT CLOCKS	.20	.20	.00	.00	.13	.12	.03	.02	.11	.05
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	.00	.00	.00	.00	1.98	1.59	.16	.15	.52	.45
FOOD AND KINDRED PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.01	.17	.26
MEAT PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.01	.17	.26
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.01	.14	.09
PULP PAPER AND BOARD MILLS	.00	.00	.00	.00	.00	.00	.01	.01	.14	.09
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING AND PUBLISHING	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.00	.00	.00	.00	1.98	1.59	.12	.11	.16	.10
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
DRUGS AND MEDICINE	.00	.00	.00	.00	1.93	1.56	.07	.08	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.00	.00	.00	.00	.05	.03	.04	.02	.16	.10
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.00	.00	.02	.01	.05	.01
PETROLEUM REFINING	.00	.00	.00	.00	.00	.00	.02	.01	.05	.01
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPTOMETRISTS		OSTEOPATHS		PHARMACISTS		PHYSICIANS AND SURGEONS		PSYCHOLOGISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	.00	.00	.05	.11	.11	.13	.14	.09
TRANSPORTATION	.00	.00	.00	.00	.00	.00	.07	.07	.00	.00
RAILROADS	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	.00	.00	.05	.11	.05	.06	.14	.09
COMMUNICATIONS	.00	.00	.00	.00	.05	.11	.03	.03	.00	.00
TELEPHONE	.00	.00	.00	.00	.05	.11	.03	.03	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.00	.00	.00	.00	.00	.00	.02	.03	.14	.09
ELECTRIC GAS AND STEAM	.00	.00	.00	.00	.00	.00	.02	.02	.14	.09
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
WHOLESALE AND RETAIL TRADE	14.33	.60	.00	.00	84.76	81.96	.13	.18	.18	.17
WHOLESALE TRADE	.00	.00	.00	.00	.76	.69	.02	.03	.04	.04
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.76	.69	.02	.03	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.01	.04	.04
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RETAIL TRADE	14.33	.60	.00	.00	84.00	81.27	.11	.14	.14	.13
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.51	.60	.00	.00	.22	.20	.00	.00	.08	.07
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.51	.60	.00	.00	.22	.20	.00	.00	.08	.07
FOOD AND DAIRY STORES	.00	.00	.00	.00	.03	.02	.00	.00	.03	.03
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.02	.01	.00	.00	.04	.03
MISCELLANEOUS RETAIL STORES	13.81	.00	.00	.00	83.67	80.99	.11	.14	.00	.00
DRUG STORES	.00	.00	.00	.00	83.60	80.88	.11	.14	.00	.00
OTHER RETAIL STORES	13.81	.00	.00	.00	.08	.11	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.00	.00	.15	.17	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.15	.17	.00	.00
REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICES	85.47	99.20	100.00	99.94	12.22	15.20	98.28	97.99	88.44	90.50
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.05	.09	.00	.01	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.05	.09	.00	.01	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.00	.00	.12	.30	.04	.07	1.97	1.78
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.07	.06
OTHER MISC BUSINESS SERVICES	.00	.00	.00	.00	.12	.30	.04	.07	1.90	1.71
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.05	.06	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	85.18	98.35	100.00	96.59	11.25	13.57	95.91	95.06	21.33	19.24
HOSPITALS	2.83	5.41	7.48	7.92	9.56	11.52	18.94	18.24	10.11	9.16
OTHER MEDICAL AND HEALTH	82.35	92.93	92.52	88.67	1.69	2.04	76.96	76.82	11.22	10.08
LEGAL SERVICES	.03	.08	.00	.00	.00	.00	.08	.09	.00	.00
EDUCATIONAL SERVICES	.26	.77	.00	3.30	.58	.97	1.55	1.83	53.04	61.38
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.00	.05	.14	.17	.37	.52	2.53	1.99
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.14	.17	.33	.47	2.53	1.99
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.05	.00	.00	.04	.04	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.07	.09	.25	.33	9.57	6.11
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.00	.01	.04	.05
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.07	.09	.25	.32	9.53	6.07
GOVERNMENT PUBLIC ADMINISTRATION	.00	.00	.00	.06	.87	1.02	.86	.98	9.77	7.94
FEDERAL PUBLIC ADMINISTRATION	.00	.00	.00	.03	.42	.39	.43	.49	1.05	.52
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.00	.00	.00	.03	.42	.39	.43	.49	1.05	.52
STATE PUBLIC ADMINISTRATION	.00	.00	.00	.03	.20	.29	.24	.27	4.80	3.98
LOCAL PUBLIC ADMINISTRATION	.00	.00	.00	.00	.25	.34	.19	.21	3.93	3.44

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TECHNICIANS, MEDICAL AND DENTAL		VETERINARIANS		OTHER MEDICAL AND HEALTH WORKERS		TEACHERS		TEACHERS, ELEMENTARY	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.02	.02	76.21	77.60	.00	.00	.00	.00	.00	.00
AGRICULTURE	.02	.02	76.21	77.60	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
METAL MINING	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONSTRUCTION	.00	.01	.00	.00	.00	.01	.01	.01	.00	.00
TOTAL MANUFACTURING	.44	.40	.89	1.23	.03	.07	.12	.17	.00	.00
DURABLE GOODS MANUFACTURING	.25	.22	.00	.00	.01	.00	.08	.09	.00	.00
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND FIXTURES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
BLAST FURNACE AND STEEL WORKS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PRIMARY METAL IND	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRIMARY NONFERROUS METAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FABRICATED METAL PRODUCTS NEC	.02	.04	.00	.00	.00	.00	.01	.01	.00	.00
MACHINERY EXCEPT ELECTRICAL	.01	.02	.00	.00	.00	.00	.02	.01	.00	.00
FARM MACHINERY AND EQUIPMENT	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
OFFICE MACHINERY	.00	.01	.00	.00	.00	.00	.01	.01	.00	.00
MISCELLANEOUS MACHINERY	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICAL MACHINERY	.04	.04	.00	.00	.00	.00	.03	.03	.00	.00
TRANSPORTATION EQUIPMENT	.04	.02	.00	.00	.00	.00	.02	.01	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR CRAFT AND ENGINES	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
SHIP AND BOATBUILDING AND REP	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.12	.07	.00	.00	.00	.00	.01	.01	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.12	.07	.00	.00	.00	.00	.01	.01	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	.20	.18	.89	1.23	.03	.06	.04	.08	.00	.00
FOOD AND KINDRED PRODUCTS	.01	.01	.12	.06	.00	.00	.00	.00	.00	.00
MEAT PRODUCTS	.00	.00	.03	.01	.00	.00	.00	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.03	.01	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.06	.05	.00	.00	.00	.00	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.02	.06	.00	.00
PAPER AND ALLIED PRODUCTS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING AND PUBLISHING	.00	.02	.00	.05	.00	.00	.00	.01	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.17	.14	.77	1.12	.03	.04	.00	.00	.00	.00
SYNTHETIC FIBERS	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	.04	.04	.77	1.12	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.11	.10	.00	.00	.03	.04	.00	.00	.00	.00
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM REFINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER PRODUCTS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TECHNICIANS, MEDICAL AND DENTAL		VETERINARIANS		OTHER MEDICAL AND HEALTH WORKERS		TEACHERS		TEACHERS, ELEMENTARY	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.05	.04	.11	.10	.01	.00	.07	.08	.00	.00
TRANSPORTATION	.04	.02	.00	.00	.00	.00	.04	.05	.00	.00
RAILROADS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRANSPORTATION	.01	.00	.00	.00	.00	.00	.03	.04	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.01	.01	.11	.10	.01	.00	.03	.03	.00	.00
COMMUNICATIONS	.00	.01	.11	.10	.01	.00	.03	.03	.00	.00
TELEPHONE	.00	.01	.00	.00	.00	.00	.02	.02	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.11	.10	.01	.00	.01	.01	.00	.00
PUBLIC UTILITIES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.62	.41	.13	.05	.07	.11	.24	.30	.00	.00
WHOLESALE TRADE	.47	.33	.00	.00	.00	.00	.06	.07	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.11	.08	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MACHINERY AND EQUIPMENT	.34	.27	.00	.00	.00	.00	.04	.04	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.02	.00	.00	.00	.00	.00	.01	.01	.00	.00
RETAIL TRADE	.15	.08	.13	.05	.07	.11	.18	.23	.00	.00
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.04	.00	.05	.02	.01	.02	.06	.06	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.04	.00	.05	.02	.01	.02	.06	.06	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.06	.12	.00	.00
MISCELLANEOUS RETAIL STORES	.12	.08	.08	.03	.06	.09	.01	.01	.00	.00
DRUG STORES	.00	.00	.00	.00	.01	.02	.00	.00	.00	.00
OTHER RETAIL STORES	.12	.08	.08	.03	.05	.06	.01	.01	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.04	.03	.05	.02	.00	.01	.02	.03	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.04	.02	.05	.02	.00	.01	.01	.01	.00	.00
REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICES	98.20	98.55	8.98	8.31	99.64	99.51	99.05	98.91	99.97	99.96
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.16	.21	.01	.01	.00	.00
OTHER PERSONAL SERVICES	.00	.01	.03	.02	1.37	1.74	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.01	.03	.02	1.37	1.74	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.10	.11	.54	1.19	.00	.00	.02	.05	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.10	.11	.54	1.19	.00	.00	.02	.05	.00	.00
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.04	.05	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.05	.02	.13	.24	.14	.26	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	95.52	96.40	1.88	1.33	95.18	93.41	.23	.28	.02	.03
HOSPITALS	59.14	65.91	.33	.15	67.95	53.44	.16	.19	.02	.03
OTHER MEDICAL AND HEALTH	36.38	30.48	1.55	1.19	27.24	39.97	.07	.09	.00	.00
LEGAL SERVICES	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	2.03	1.53	6.31	5.52	2.05	2.69	98.22	97.75	99.61	99.53
NONPROFIT MEMBER ORGANIZATIONS	.25	.24	.00	.00	.63	1.01	.35	.45	.32	.38
WELFARE AND RELIGIOUS ORGANS	.21	.22	.00	.00	.42	.80	.24	.27	.32	.38
OTHER NONPROFIT ORGANIZATIONS	.04	.03	.00	.00	.22	.21	.11	.18	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.01	.00	.00	.04	.06	.01	.01	.01	.01
OTHER PROFESSIONAL AND RELAT SERV	.30	.24	.16	.24	.08	.14	.02	.03	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.30	.24	.16	.24	.08	.14	.01	.02	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.63	.54	13.63	12.69	.25	.30	.48	.49	.03	.04
FEDERAL PUBLIC ADMINISTRATION	.58	.43	10.88	10.48	.11	.14	.29	.27	.01	.01
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.58	.43	10.88	10.48	.11	.13	.28	.25	.01	.01
STATE PUBLIC ADMINISTRATION	.02	.07	2.15	1.71	.10	.10	.11	.12	.01	.01
LOCAL PUBLIC ADMINISTRATION	.02	.03	.61	.51	.04	.07	.07	.10	.01	.02

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TEACHERS, SECONDARY		TEACHERS, COLLEGE		TEACHERS, OTHER		SOCIAL SCIENTISTS		ECONOMISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.02	.02	.16	.14	.25	.23
AGRICULTURE	.00	.00	.00	.00	.02	.02	.03	.03	.08	.08
FORESTRY	.00	.00	.00	.00	.00	.00	.11	.10	.18	.15
FISHERIES	.00	.00	.00	.00	.00	.00	.03	.01	.00	.00
MINING	.00	.00	.00	.00	.04	.03	.59	.48	.42	.33
METAL MINING	.00	.00	.00	.00	.01	.00	.25	.21	.00	.00
COAL MINING	.00	.00	.00	.00	.01	.00	.04	.05	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.02	.02	.25	.20	.42	.33
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.04	.03	.00	.00
CONSTRUCTION	.00	.00	.00	.00	.13	.09	.75	.71	.23	.16
TOTAL MANUFACTURING	.00	.00	.00	.00	1.56	1.68	20.70	18.29	23.56	18.33
DURABLE GOODS MANUFACTURING	.00	.00	.00	.00	1.04	.89	12.85	11.92	14.44	11.76
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.11	.14	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.00	.00	.11	.14	.00	.00
FURNITURE AND FIXTURES	.00	.00	.00	.00	.00	.00	.05	.06	.14	.15
STONE CLAY AND GLASS PRODUCTS	.00	.00	.00	.00	.04	.05	.39	.37	.38	.32
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.24	.24	.17	.12
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.01	.01	.03	.04	.08	.09
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.02	.04	.12	.09	.13	.11
PRIMARY METAL INDUSTRIES	.00	.00	.00	.00	.05	.03	1.63	1.66	.76	.54
BLAST FURNACE AND STEEL WORKS	.00	.00	.00	.00	.05	.03	.70	.63	.72	.51
OTHER PRIMARY METAL IND	.00	.00	.00	.00	.00	.00	.37	.41	.00	.00
PRIMARY NONFERROUS METAL	.00	.00	.00	.00	.00	.00	.55	.62	.04	.02
FABRICATED METAL PRODUCTS NEC	.00	.00	.00	.00	.12	.14	1.72	1.48	1.65	1.20
MACHINERY EXCEPT ELECTRICAL	.00	.00	.00	.00	.19	.14	1.87	1.58	2.98	1.99
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.01	.01	.08	.10	.14	.16
OFFICE MACHINERY	.00	.00	.00	.00	.15	.11	.58	.79	.38	.51
MISCELLANEOUS MACHINERY	.00	.00	.00	.00	.04	.02	1.21	.69	2.45	1.32
ELECTRICAL MACHINERY	.00	.00	.00	.00	.34	.28	3.64	3.65	5.97	5.86
TRANSPORTATION EQUIPMENT	.00	.00	.00	.00	.20	.13	2.66	2.22	2.00	1.20
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.03	.02	1.10	.73	1.43	.62
AIR CRAFT AND ENGINES	.00	.00	.00	.00	.06	.04	1.49	1.41	.49	.46
SHIP AND BOATBUILDING AND REP	.00	.00	.00	.00	.11	.07	.07	.07	.08	.08
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.00	.00	.08	.08	.69	.64	.43	.38
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.00	.00	.07	.07	.67	.62	.37	.33
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.01	.01	.02	.02	.06	.05
MISCELLANEOUS MANUFACTURING	.00	.00	.00	.00	.03	.04	.10	.12	.13	.13
NONDURABLE GOODS MANUFACTURING	.00	.00	.00	.00	.52	.79	7.85	6.37	9.12	6.58
FOOD AND KINDRED PRODUCTS	.00	.00	.00	.00	.03	.05	.68	.42	.67	.43
MEAT PRODUCTS	.00	.00	.00	.00	.00	.00	.05	.04	.02	.02
DAIRY PRODUCTS	.00	.00	.00	.00	.01	.03	.03	.05	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.01	.01	.10	.07	.12	.07
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.17	.10	.21	.16
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.19	.11	.21	.13
OTHER FOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.13	.05	.10	.05
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.02	.01	.04	.02
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.07	.03	.11	.16	.00	.03
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.30	.57	.21	.26	.00	.22
PAPER AND ALLIED PRODUCTS	.00	.00	.00	.00	.00	.00	1.03	1.00	1.11	1.00
PULP PAPER AND BOARD MILLS	.00	.00	.00	.00	.00	.00	.45	.37	.55	.44
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.31	.27	.14	.12
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.00	.00	.28	.36	.42	.44
PRINTING AND PUBLISHING	.00	.00	.00	.00	.05	.07	1.87	1.50	1.04	.82
CHEMICALS AND ALLIED PRODUCTS	.00	.00	.00	.00	.04	.03	2.49	2.12	3.84	2.52
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.14	.13	.18	.13
DRUGS AND MEDICINE	.00	.00	.00	.00	.00	.00	.81	.77	.86	.57
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.01	.00	.08	.07	.06	.05
OTHER CHEMICALS	.00	.00	.00	.00	.03	.03	1.46	1.16	2.74	1.77
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.00	.00	1.14	.71	1.89	1.22
PETROLEUM REFINING	.00	.00	.00	.00	.00	.00	1.04	.64	1.76	1.15
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.00	.00	.09	.07	.13	.07
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.00	.00	.03	.04	.31	.19	.54	.32
RUBBER PRODUCTS	.00	.00	.00	.00	.01	.01	.16	.07	.15	.04
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.02	.03	.16	.12	.39	.28
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TEACHERS, SECONDARY		TEACHERS, COLLEGE		TEACHERS, OTHER		SOCIAL SCIENTISTS		ECONOMISTS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	.00	.00	.84	.80	6.65	4.92	5.92	3.89
TRANSPORTATION	.00	.00	.00	.00	.48	.50	2.11	1.71	.98	.76
RAILROADS	.00	.00	.00	.00	.00	.00	.98	.67	.24	.24
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.05	.04	.16	.14	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.04	.03	.16	.14	.00	.00
TAXIS	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.02	.01	.03	.02	.09	.05
TRUCKING	.00	.00	.00	.00	.01	.01	.03	.02	.09	.05
WAREHOUSING	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.19	.18	.10	.05
AIR TRANSPORTATION	.00	.00	.00	.00	.38	.42	.55	.50	.37	.23
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.03	.03	.19	.19	.18	.18
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	.00	.00	.36	.30	4.55	3.21	4.94	3.12
COMMUNICATIONS	.00	.00	.00	.00	.32	.28	1.77	1.23	1.60	.96
TELEPHONE	.00	.00	.00	.00	.22	.21	1.72	1.17	1.52	.83
TELEGRAPH	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.10	.07	.03	.05	.08	.12
PUBLIC UTILITIES	.00	.00	.00	.00	.04	.01	2.78	1.98	3.34	2.17
ELECTRIC GAS AND STEAM	.00	.00	.00	.00	.04	.01	2.72	1.94	3.29	2.12
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.02	.02	.06	.05
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.04	.02	.00	.00
WHOLESALE AND RETAIL TRADE	.00	.00	.00	.00	3.02	2.97	6.25	6.31	8.42	8.84
WHOLESALE TRADE	.00	.00	.00	.00	.74	.70	4.23	4.43	7.04	7.65
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.07	.06	.30	.23	.44	.38
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.53	.48	1.01	.86
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	.16	.11	.23	.10
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.10	.12	.69	.88	1.30	1.76
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.45	.42	.65	.86	1.18	1.46
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.00	.00	.12	.10	1.91	1.88	2.89	3.08
RETAIL TRADE	.00	.00	.00	.00	2.28	2.27	2.02	1.87	1.37	1.19
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.01	.00	.02	.01
GENERAL MERCHANDISING	.00	.00	.00	.00	.80	.60	1.33	1.17	.66	.61
LIMITED PRICE STORES	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.78	.59	1.33	1.17	.66	.61
FOOD AND DAIRY STORES	.00	.00	.00	.00	.08	.07	.23	.30	.05	.04
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.07	.08	.05	.03	.08	.06
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.04	.05	.01	.01	.03	.02
GAS STATIONS	.00	.00	.00	.00	.03	.03	.03	.02	.05	.03
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.02	.03	.13	.10	.07	.03
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.36	.17	.20	.22	.34	.35
EATING AND DRINKING PLACES	.00	.00	.00	.00	.76	1.19	.04	.03	.05	.03
MISCELLANEOUS RETAIL STORES	.00	.00	.00	.00	.18	.13	.04	.02	.10	.06
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.00	.00	.00	.00	.17	.13	.04	.02	.10	.06
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.30	.26	12.64	11.83	10.24	10.80
FINANCE	.00	.00	.00	.00	.16	.10	5.01	5.60	8.03	9.16
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.14	.10	3.48	4.48	5.91	7.51
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.02	.01	1.54	1.12	2.12	1.65
INSURANCE	.00	.00	.00	.00	.10	.12	7.45	6.10	1.87	1.41
REAL ESTATE	.00	.00	.00	.00	.04	.04	.18	.12	.34	.23
SERVICES	99.89	99.88	100.00	100.00	88.70	89.88	25.83	32.33	26.79	33.01
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.07	.12	.04	.02	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.04	.03	.12	.21	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.04	.03	.12	.21	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.00	.00	.23	.47	9.61	13.23	18.58	23.56
ADVERTISING	.00	.00	.00	.00	.00	.00	.67	.54	1.26	.84
OTHER MISC BUSINESS SERVICES	.00	.00	.00	.00	.23	.47	8.94	12.69	17.32	22.72
AUTO REPAIR SERVICES	.00	.00	.00	.00	.50	.46	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.03	.02	.00	.01	.01	.01
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.09	.14	.30	.24	.11	.05
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	1.77	2.57	.02	.02	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.03	.02	.00	.00	2.66	2.54	2.57	2.59	.62	.71
HOSPITALS	.03	.02	.00	.00	1.81	1.67	1.04	.94	.10	.07
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.85	.87	1.53	1.65	.52	.64
LEGAL SERVICES	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00
EDUCATIONAL SERVICES	99.69	99.61	100.00	100.00	80.96	80.89	7.14	10.57	4.21	5.74
NONPROFIT MEMBER ORGANIZATIONS	.16	.25	.00	.00	2.05	2.28	2.60	2.08	.56	.16
WELFARE AND RELIGIOUS ORGANS	.16	.25	.00	.00	.62	.49	1.62	1.49	.14	.04
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.00	1.43	1.80	.99	.60	.42	.12
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.08	.06	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.22	.27	3.42	3.36	2.71	2.77
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.05	.12	.24	.41	.14	.14
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.17	.16	3.18	2.95	2.57	2.62
GOVERNMENT PUBLIC ADMINISTRATION	.11	.12	.00	.00	5.39	4.28	26.42	24.99	24.16	24.42
FEDERAL PUBLIC ADMINISTRATION	.08	.08	.00	.00	3.30	2.32	19.62	18.89	19.80	21.04
POSTAL SERVICE	.00	.00	.00	.00	.21	.14	.06	.02	.11	.03
OTHER FEDERAL PUBLIC ADMIN	.08	.08	.00	.00	3.08	2.17	19.55	18.87	19.69	21.01
STATE PUBLIC ADMINISTRATION	.02	.01	.00	.00	1.30	1.07	5.48	4.87	4.04	3.00
LOCAL PUBLIC ADMINISTRATION	.01	.02	.00	.00	.80	.89	1.32	1.23	.32	.38

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	STATISTICIANS AND ACTUARIES		OTHER SOCIAL SCIENTISTS		OTHER PROF,TECH AND KINDRED		ACCOUNTANTS AND AUDITORS		AIRPLANE PILOTS AND NAVIGATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.13	.12	.00	.00	.76	.70	.16	.18	4.62	6.28
AGRICULTURE	.00	.00	.00	.00	.34	.34	.10	.10	4.30	5.76
FORESTRY	.08	.09	.00	.00	.40	.35	.05	.07	.32	.52
FISHERIES	.05	.02	.00	.00	.02	.02	.01	.01	.00	.00
MINING	.68	.63	.72	.48	.35	.31	1.41	1.31	1.31	1.79
METAL MINING	.33	.32	.72	.48	.04	.03	.14	.10	.10	.09
COAL MINING	.08	.11	.00	.00	.03	.02	.10	.08	.16	.15
CRUDE PETROLEUM AND NATURAL GAS	.19	.14	.00	.00	.25	.22	1.10	1.02	1.00	1.50
NONMETALLIC MINING AND QUARRYING	.09	.06	.00	.00	.03	.04	.08	.10	.05	.05
CONSTRUCTION	1.43	1.47	.00	.00	1.75	1.95	2.19	2.95	1.25	2.01
TOTAL MANUFACTURING	22.14	22.18	8.09	6.78	15.75	16.01	21.66	22.02	8.33	11.84
DURABLE GOODS MANUFACTURING	14.56	15.33	2.91	2.43	8.94	9.79	13.56	13.85	6.16	8.34
LUMBER AND WOOD PRODUCTS	.23	.32	.00	.00	.22	.27	.32	.32	.16	.12
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.10	.07	.07	.06	.13	.10
SAWMILLS MILLWORK + MISC WOOD	.23	.32	.00	.00	.12	.20	.24	.26	.03	.02
FURNITURE AND FIXTURES	.00	.00	.00	.00	.11	.16	.22	.29	.00	.00
STONE CLAY AND GLASS PRODUCTS	.47	.44	.16	.28	.36	.46	.75	.98	.05	.04
GLASS AND GLASS PRODUCTS	.33	.33	.16	.28	.15	.17	.23	.26	.05	.04
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.07	.12	.23	.39	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.03	.03	.06	.07	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.02	.01	.03	.03	.00	.00
MISC NONMETALLIC AND STONE	.14	.11	.00	.00	.09	.11	.20	.22	.00	.00
PRIMARY METAL INDUSTRIES	2.37	2.83	1.61	1.36	.61	.60	1.69	1.63	.38	.42
BLAST FURNACE AND STEEL WORKS	.70	.81	.66	.44	.25	.23	.74	.63	.15	.10
OTHER PRIMARY METAL IND	.61	.82	.62	.32	.13	.12	.31	.31	.00	.00
PRIMARY NONFERROUS METAL	1.06	1.19	.33	.61	.23	.24	.64	.69	.23	.32
FABRICATED METAL PRODUCTS NEC	2.31	2.24	.00	.00	1.11	1.20	1.56	1.52	.73	1.01
MACHINERY EXCEPT ELECTRICAL	1.49	1.74	.00	.00	1.69	2.14	2.78	2.87	1.21	2.23
FARM MACHINERY AND EQUIPMENT	.06	.07	.00	.00	.09	.09	.20	.20	.00	.00
OFFICE MACHINERY	.92	1.33	.00	.00	.57	.69	.58	.61	.23	.45
MISCELLANEOUS MACHINERY	.51	.34	.00	.00	1.03	1.36	2.00	2.07	.98	1.78
ELECTRICAL MACHINERY	2.60	2.73	.53	.22	2.14	2.50	2.80	3.06	.83	1.65
TRANSPORTATION EQUIPMENT	4.04	3.95	.00	.00	1.86	1.63	2.62	2.38	2.48	2.59
MOTOR VEHICLES AND EQUIPMENT	1.15	1.09	.00	.00	.68	.57	1.38	1.24	.18	.16
AIR CRAFT AND ENGINES	2.80	2.77	.00	.00	.96	.89	.91	.86	2.23	2.37
SHIP AND BOATBUILDING AND REP	.09	.09	.00	.00	.16	.12	.17	.14	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.06	.05	.16	.13	.07	.06
PROF SCIENTIFIC INSTRUMENTS	.94	.92	.61	.58	.57	.58	.56	.57	.31	.28
INSTRUMENTS EXCEPT CLOCKS	.94	.92	.61	.58	.56	.56	.55	.56	.31	.28
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
MISCELLANEOUS MANUFACTURING	.10	.15	.00	.00	.26	.27	.25	.23	.00	.00
NONDURABLE GOODS MANUFACTURING	7.58	6.86	5.18	4.35	6.80	6.21	8.10	8.17	2.17	3.51
FOOD AND KINDRED PRODUCTS	.82	.45	.22	.35	.57	.63	1.77	1.88	.45	.89
MEAT PRODUCTS	.08	.08	.00	.00	.07	.07	.27	.25	.00	.00
DAIRY PRODUCTS	.00	.00	.22	.35	.06	.06	.27	.29	.00	.00
CANNING PRESERVES + FREEZING	.12	.09	.00	.00	.12	.16	.37	.49	.00	.00
GRAIN MILL PRODUCTS	.20	.08	.00	.00	.08	.08	.19	.17	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.03	.02	.12	.10	.05	.09
BEVERAGE INDUSTRIES	.23	.12	.00	.00	.11	.14	.27	.28	.40	.80
OTHER FOOD PRODUCTS	.20	.08	.00	.00	.09	.09	.29	.31	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.02	.02	.07	.07	.00	.00
TEXTILE MILL PRODUCTS	.24	.35	.00	.00	.29	.33	.45	.46	.00	.04
APPAREL AND ACCESSORIES	.45	.39	.00	.00	.41	.45	.23	.28	.00	.00
PAPER AND ALLIED PRODUCTS	1.10	1.13	.62	.60	.46	.52	.95	1.13	.37	.66
PULP PAPER AND BOARD MILLS	.50	.43	.00	.00	.20	.21	.42	.41	.10	.12
PAPERBOARD CONTAINERS + BOXES	.36	.29	.62	.60	.14	.15	.28	.36	.16	.29
ALL OTHER PAPER PRODUCTS	.24	.41	.00	.00	.12	.16	.25	.36	.11	.25
PRINTING AND PUBLISHING	2.22	1.92	3.01	2.10	3.36	2.54	.98	1.01	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.85	2.11	.81	1.07	1.08	1.10	2.01	1.96	.60	.85
SYNTHETIC FIBERS	.14	.16	.00	.00	.11	.15	.09	.10	.00	.00
DRUGS AND MEDICINE	.78	.86	.81	1.07	.26	.29	.34	.36	.00	.00
PAINTS AND VARNISHES AND REL	.12	.12	.00	.00	.03	.03	.14	.14	.00	.00
OTHER CHEMICALS	.80	.97	.00	.00	.68	.62	1.45	1.36	.60	.85
PETROLEUM REFIN AND COAL PROD	.69	.38	.51	.23	.28	.23	.91	.55	.49	.71
PETROLEUM REFINING	.60	.30	.51	.23	.26	.21	.83	.47	.49	.71
OTHER PETROL AND COAL PRODUCT	.09	.08	.00	.00	.02	.02	.08	.08	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.21	.13	.00	.00	.29	.33	.63	.75	.25	.35
RUBBER PRODUCTS	.21	.13	.00	.00	.16	.19	.39	.40	.25	.35
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.12	.15	.24	.35	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.05	.05	.09	.08	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.03	.03	.06	.06	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	STATISTICIANS AND ACTUARIES		OTHER SOCIAL SCIENTISTS		OTHER PROF,TECH AND KINDRED		ACCOUNTANTS AND AUDITORS		AIRPLANE PILOTS AND NAVIGATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	8.96	7.26	1.23	.94	5.18	4.42	6.21	6.14	69.54	56.25
TRANSPORTATION	3.72	3.19	.00	.00	1.80	1.62	2.79	2.91	68.78	55.41
RAILROADS	1.91	1.31	.00	.00	.24	.14	.61	.49	.00	.00
LOCAL AND INTERURBAN PASSENGER	.35	.33	.00	.00	.05	.05	.16	.18	.20	.15
LOCAL + INTERURBAN EXC TAXIS	.35	.33	.00	.00	.03	.04	.13	.15	.14	.11
TAXIS	.00	.00	.00	.00	.02	.01	.03	.03	.07	.04
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.17	.19	.88	1.03	.09	.12
TRUCKING	.00	.00	.00	.00	.14	.17	.73	.86	.04	.03
WAREHOUSING	.00	.00	.00	.00	.02	.03	.15	.17	.06	.09
WATER TRANSPORTATION	.33	.36	.00	.00	.08	.11	.35	.46	.03	.12
AIR TRANSPORTATION	.88	.92	.00	.00	1.21	1.07	.58	.53	68.42	55.00
PIPELINES	.00	.00	.00	.00	.01	.00	.04	.02	.03	.03
TRANSPORTATION SERVICES	.25	.27	.00	.00	.05	.05	.16	.20	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	5.24	4.07	1.23	.94	3.39	2.80	3.43	3.23	.76	.83
COMMUNICATIONS	2.47	1.90	.00	.00	2.77	2.18	1.50	1.37	.00	.00
TELEPHONE	2.42	1.89	.00	.00	1.49	1.24	1.27	1.15	.00	.00
TELEGRAPH	.05	.01	.00	.00	.02	.01	.02	.01	.00	.00
RADIO AND TV	.00	.00	.00	.00	1.26	.92	.20	.21	.00	.00
PUBLIC UTILITIES	2.76	2.17	1.23	.94	.61	.62	1.93	1.86	.76	.83
ELECTRIC GAS AND STEAM	2.76	2.17	.97	.79	.58	.57	1.76	1.54	.76	.83
WATER AND IRRIGATION	.00	.00	.00	.00	.03	.05	.15	.27	.00	.00
SANITARY SERVICES	.00	.00	.27	.15	.01	.01	.03	.05	.00	.00
WHOLESALE AND RETAIL TRADE	6.32	6.07	.00	.00	3.83	4.21	9.90	10.97	1.79	2.16
WHOLESALE TRADE	3.13	2.90	.00	.00	1.50	1.85	5.84	6.60	1.28	1.00
MOTOR VEHICLES AND EQUIPMENT	.28	.15	.00	.00	.07	.09	.30	.32	.00	.00
DRUGS AND CHEMICALS	.27	.28	.00	.00	.14	.17	.43	.50	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.08	.09	.18	.21	.00	.00
GROCERIES AND RELATED	.15	.16	.00	.00	.09	.08	.42	.27	.20	.10
ELECTRIC HARDWARE AND PLUMBING	.37	.35	.00	.00	.16	.18	.86	.97	.11	.11
MACHINERY AND EQUIPMENT	.30	.57	.00	.00	.40	.55	1.26	1.59	.56	.52
MISCELLANEOUS WHOLESALE TRADE	1.67	1.38	.00	.00	.56	.70	2.38	2.73	.41	.28
RETAIL TRADE	3.19	3.16	.00	.00	2.33	2.35	4.06	4.38	.51	1.15
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.05	.05	.30	.27	.00	.00
GENERAL MERCHANDISING	2.30	2.10	.00	.00	.73	.77	1.05	1.12	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.05	.05	.02	.02	.00	.00
OTHER GENERAL MERCHANDISING	2.30	2.10	.00	.00	.68	.72	1.04	1.11	.00	.00
FOOD AND DAIRY STORES	.45	.64	.00	.00	.15	.21	.58	.76	.03	.03
AUTO DEALERS AND GAS STATIONS	.03	.02	.00	.00	.17	.21	.98	1.11	.49	1.13
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.15	.19	.91	1.01	.49	1.13
GAS STATIONS	.03	.02	.00	.00	.02	.02	.08	.10	.00	.00
APPAREL AND ACCESSORIES	.23	.19	.00	.00	.11	.07	.19	.11	.00	.00
FURNITURE AND APPLIANCES	.14	.16	.00	.00	.16	.14	.27	.27	.00	.00
EATING AND DRINKING PLACES	.04	.04	.00	.00	.62	.54	.28	.35	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	.00	.00	.34	.37	.40	.38	.00	.00
DRUG STORES	.00	.00	.00	.00	.14	.19	.08	.09	.00	.00
OTHER RETAIL STORES	.00	.00	.00	.00	.20	.18	.32	.29	.00	.00
FINANCE INSURANCE AND REAL ESTATE	18.42	16.78	.57	.22	2.58	2.65	8.52	9.12	.14	.08
FINANCE	3.80	4.07	.57	.22	1.49	1.53	4.44	4.19	.07	.04
BANKS AND CREDIT AGENCIES	2.29	3.07	.57	.22	.88	.93	3.61	3.48	.00	.00
SECURITY AND INVESTMENT SERVICE	1.51	1.00	.00	.00	.62	.60	.83	.71	.07	.04
INSURANCE	14.53	12.65	.00	.00	.88	.90	3.55	4.46	.06	.04
REAL ESTATE	.09	.07	.00	.00	.21	.22	.52	.47	.00	.00
SERVICES	19.33	24.40	44.29	53.63	59.17	58.26	37.18	33.52	5.32	12.56
HOTELS AND OTHER LODGING PLACES	.00	.00	.28	.12	.56	.69	1.09	1.35	.00	.00
OTHER PERSONAL SERVICES	.22	.47	.18	.05	1.79	1.78	.11	.15	.05	.03
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.02	.03	.06	.08	.00	.00
ALL OTHER PERSONAL SERVICES	.22	.47	.18	.05	1.77	1.75	.05	.07	.05	.03
MISCELLANEOUS BUSINESS SERVICE	4.81	7.91	.24	.15	2.95	4.30	2.38	2.56	.63	3.27
ADVERTISING	.38	.43	.00	.00	.53	.38	.28	.27	.01	.01
OTHER MISC BUSINESS SERVICES	4.44	7.48	.24	.15	2.42	3.91	2.09	2.29	.62	3.27
AUTO REPAIR SERVICES	.00	.00	.00	.00	.02	.02	.13	.14	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.03	.03	.05	.04	.01	.01
MOTION PICTURES AND THEATRES	.56	.49	.00	.00	1.61	.95	.32	.30	.00	.00
MISC ENTERTAINMENT AND RECREATION	.05	.05	.00	.00	2.39	2.68	.22	.33	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	3.90	4.03	3.64	3.58	2.27	1.99	1.01	1.10	.05	.04
HOSPITALS	1.74	1.92	1.37	.53	1.46	1.21	.82	.92	.00	.00
OTHER MEDICAL AND HEALTH	2.16	2.12	2.28	3.05	.81	.78	.19	.18	.05	.04
LEGAL SERVICES	.00	.00	.00	.00	5.77	4.42	.27	.37	.00	.00
EDUCATIONAL SERVICES	3.54	5.22	26.98	39.56	21.10	25.16	1.10	1.02	2.27	3.53
NONPROFIT MEMBER ORGANIZATIONS	2.65	2.77	8.16	5.41	13.38	9.98	.91	.86	1.46	1.85
WELFARE AND RELIGIOUS ORGANS	1.29	1.93	6.78	4.18	11.81	8.61	.58	.60	1.46	1.85
OTHER NONPROFIT ORGANIZATIONS	1.36	.83	1.38	1.22	1.57	1.37	.34	.26	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.01	.01	.01	.00	.03	.03
OTHER PROFESSIONAL AND RELAT SERV	3.60	3.45	4.81	4.75	7.30	6.24	29.59	25.29	.81	3.80
ENGINEERING AND ARCHITECT SERV	.40	.81	.00	.00	1.05	1.44	.24	.62	.67	3.60
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	3.79	3.19	28.97	24.20	.00	.00
ALL OTHER PROFESSIONAL SERVICES	3.20	2.65	4.81	4.75	2.46	1.60	.38	.48	.14	.21
GOVERNMENT PUBLIC ADMINISTRATION	22.59	21.10	45.10	37.95	10.64	11.49	12.76	13.78	7.69	7.04
FEDERAL PUBLIC ADMINISTRATION	14.84	13.70	36.60	28.11	4.36	4.38	7.04	7.62	5.40	3.50
POSTAL SERVICE	.02	.01	.06	.05	.13	.14	.11	.26	.00	.00
OTHER FEDERAL PUBLIC ADMIN	14.82	13.69	34.54	28.06	4.23	4.24	6.93	7.36	5.40	3.50
STATE PUBLIC ADMINISTRATION	6.57	6.41	5.94	5.56	3.26	3.87	3.69	4.03	2.25	3.52
LOCAL PUBLIC ADMINISTRATION	1.17	.99	4.56	4.28	3.03	3.24	2.04	2.13	.05	.02

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ARCHITECTS		WORKERS IN ARTS AND ENTERTAINMENT		CLERGYMEN		DESIGNERS EXCEPT DESIGN DRAFTSMEN		EDITORS AND REPORTERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.27	.30	.54	.53	.00	.00	.81	.82	.03	.03
AGRICULTURE	.07	.05	.53	.53	.00	.00	.65	.60	.02	.02
FORESTRY	.20	.25	.01	.01	.00	.00	.16	.23	.02	.02
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	.00	.00	.00	.00	.16	.15	.00	.00
METAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.12	.11	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
CONSTRUCTION	5.90	3.70	.13	.15	.00	.00	5.52	5.40	.07	.08
TOTAL MANUFACTURING	4.28	3.31	7.82	7.17	.06	.06	54.42	48.27	70.10	69.31
DURABLE GOODS MANUFACTURING	3.26	2.32	4.03	3.49	.00	.00	34.13	28.85	4.09	4.82
LUMBER AND WOOD PRODUCTS	.51	.34	.02	.02	.00	.00	.42	.45	.01	.01
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.51	.34	.02	.02	.00	.00	.42	.45	.01	.01
FURNITURE AND FIXTURES	.11	.15	.03	.03	.00	.00	1.01	.83	.05	.05
STONE CLAY AND GLASS PRODUCTS	.18	.15	.29	.15	.00	.00	.72	.41	.03	.04
GLASS AND GLASS PRODUCTS	.06	.03	.19	.10	.00	.00	.23	.12	.03	.04
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.00	.00	.08	.07	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.01	.01	.00	.00	.09	.07	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.07	.04	.00	.00	.15	.07	.00	.00
MISC NONMETALLIC AND STONE	.11	.12	.02	.01	.00	.00	.16	.08	.00	.00
PRIMARY METAL INDUSTRIES	.22	.20	.07	.07	.00	.00	.82	.72	.11	.11
BLAST FURNACE AND STEEL WORKS	.03	.02	.04	.04	.00	.00	.30	.29	.03	.05
OTHER PRIMARY METAL IND	.00	.00	.01	.00	.00	.00	.30	.29	.04	.03
PRIMARY NONFERROUS METAL	.19	.18	.02	.02	.00	.00	.22	.14	.03	.03
FABRICATED METAL PRODUCTS NEC	.47	.45	.58	.47	.00	.00	3.69	3.36	.55	.52
MACHINERY EXCEPT ELECTRICAL	.08	.05	.52	.50	.00	.00	7.17	5.19	.80	.92
FARM MACHINERY AND EQUIPMENT	.00	.00	.03	.03	.00	.00	.43	.33	.08	.08
OFFICE MACHINERY	.00	.00	.21	.18	.00	.00	3.06	3.15	.35	.31
MISCELLANEOUS MACHINERY	.08	.05	.28	.29	.00	.00	3.68	1.71	.37	.53
ELECTRICAL MACHINERY	.04	.03	.77	.63	.00	.00	9.25	8.19	1.20	1.55
TRANSPORTATION EQUIPMENT	1.50	.81	1.22	1.16	.00	.00	4.78	3.84	.87	1.00
MOTOR VEHICLES AND EQUIPMENT	.03	.02	.24	.21	.00	.00	2.30	1.67	.16	.17
AIR CRAFT AND ENGINES	.03	.02	.96	.93	.00	.00	.65	.50	.59	.74
SHIP AND BOATBUILDING AND REP	1.44	.77	.01	.01	.00	.00	1.74	1.60	.07	.05
RR AND OTHER TRANSPORT EQUIP	.00	.00	.01	.01	.00	.00	.10	.07	.05	.04
PROF SCIENTIFIC INSTRUMENTS	.12	.12	.27	.24	.00	.00	2.73	2.43	.38	.46
INSTRUMENTS EXCEPT CLOCKS	.12	.12	.27	.24	.00	.00	2.66	2.37	.38	.46
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.08	.06	.00	.00
MISCELLANEOUS MANUFACTURING	.04	.02	.26	.21	.00	.00	3.52	3.43	.10	.16
NONDURABLE GOODS MANUFACTURING	1.02	.99	3.79	3.68	.06	.06	20.30	19.43	66.01	64.50
FOOD AND KINDRED PRODUCTS	.18	.11	.09	.08	.00	.00	.17	.14	.11	.12
MEAT PRODUCTS	.00	.00	.01	.01	.00	.00	.05	.05	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.04	.02	.02	.02
CANNING PRESERVES + FREEZING	.00	.00	.01	.01	.00	.00	.05	.05	.02	.03
GRAIN MILL PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.01	.01
BAKERY PRODUCTS	.10	.04	.00	.00	.00	.00	.00	.00	.03	.05
BEVERAGE INDUSTRIES	.09	.07	.03	.03	.00	.00	.03	.03	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.03	.02
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.03	.02	.02	.01
TEXTILE MILL PRODUCTS	.00	.00	.04	.05	.00	.00	3.02	3.60	.09	.10
APPAREL AND ACCESSORIES	.00	.00	.06	.05	.00	.00	10.41	9.28	.11	.18
PAPER AND ALLIED PRODUCTS	.24	.34	.25	.32	.00	.00	2.09	2.17	.09	.13
PULP PAPER AND BOARD MILLS	.00	.00	.03	.02	.00	.00	.23	.15	.06	.08
PAPERBOARD CONTAINERS + BOXES	.08	.05	.05	.04	.00	.00	1.55	1.67	.00	.00
ALL OTHER PAPER PRODUCTS	.16	.29	.17	.25	.00	.00	.31	.34	.03	.05
PRINTING AND PUBLISHING	.39	.38	3.07	2.91	.06	.06	1.47	1.64	64.82	62.98
CHEMICALS AND ALLIED PRODUCTS	.21	.16	.20	.22	.00	.00	.84	.62	.64	.85
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.00	.00	.16	.18
DRUGS AND MEDICINE	.00	.00	.06	.08	.00	.00	.13	.15	.34	.56
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02
OTHER CHEMICALS	.21	.16	.13	.13	.00	.00	.71	.47	.13	.09
PETROLEUM REFIN AND COAL PROD	.00	.00	.02	.02	.00	.00	.14	.06	.08	.06
PETROLEUM REFINING	.00	.00	.02	.02	.00	.00	.09	.02	.08	.06
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.00	.00	.05	.04	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.05	.04	.00	.00	1.38	1.32	.07	.06
RUBBER PRODUCTS	.00	.00	.03	.03	.00	.00	.14	.03	.03	.03
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.01	.01	.00	.00	1.24	1.29	.03	.04
LEATHER PRODUCTS	.00	.00	.00	.01	.00	.00	.74	.57	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.45	.33	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.01	.00	.00	.29	.24	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ARCHITECTS		WORKERS IN ARTS AND ENTERTAINMENT		CLERGYMEN		DESIGNERS EXCEPT DESIGN DRAFTSMEN		EDITORS AND REPORTERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.86	.60	1.44	.99	.01	.01	1.62	1.35	4.35	3.30
TRANSPORTATION	.16	.10	.09	.08	.00	.00	.20	.15	.55	.49
RAILROADS	.04	.02	.01	.01	.00	.00	.14	.09	.19	.04
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.05	.02	.00	.00	.00	.00	.00	.00	.06	.12
TRUCKING	.05	.02	.00	.00	.00	.00	.00	.00	.06	.12
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.08	.05	.01	.01	.00	.00	.03	.02	.01	.01
AIR TRANSPORTATION	.00	.00	.05	.04	.00	.00	.03	.03	.19	.20
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.02	.02	.00	.00	.00	.00	.10	.11
COMMUNICATIONS + PUBLIC UTILITIES	.69	.51	1.35	.91	.01	.01	1.42	1.21	3.80	2.81
COMMUNICATIONS	.28	.23	1.30	.88	.01	.01	.41	.25	3.54	2.63
TELEPHONE	.28	.23	.10	.08	.00	.00	.23	.13	.18	.13
TELEGRAPH	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01
RADIO AND TV	.00	.00	1.19	.80	.01	.01	.16	.10	3.35	2.49
PUBLIC UTILITIES	.41	.28	.05	.03	.00	.00	1.01	.96	.26	.18
ELECTRIC GAS AND STEAM	.41	.28	.05	.02	.00	.00	.99	.95	.26	.18
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.64	.40	3.95	3.84	.00	.00	9.23	8.36	2.36	2.99
WHOLESALE TRADE	.08	.05	.15	.13	.00	.00	2.92	2.53	.41	.45
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.07	.07	.00	.00
DRUGS AND CHEMICALS	.00	.00	.01	.00	.00	.00	.06	.04	.07	.07
DRY GOODS AND APPAREL	.00	.00	.03	.03	.00	.00	1.02	.51	.00	.00
GROCERIES AND RELATED	.00	.00	.02	.02	.00	.00	.00	.00	.04	.05
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.13	.09	.17	.19
MACHINERY AND EQUIPMENT	.00	.00	.04	.05	.00	.00	.84	.88	.02	.02
MISCELLANEOUS WHOLESALE TRADE	.08	.05	.05	.02	.00	.00	.80	.95	.11	.12
RETAIL TRADE	.56	.35	3.79	3.71	.00	.00	6.30	5.83	1.95	2.54
LUMBER BUILDING AND FARM EQUIP	.12	.06	.01	.01	.00	.00	.10	.04	.00	.00
GENERAL MERCHANDISING	.23	.13	.55	.44	.00	.00	1.61	1.53	1.80	2.31
LIMITED PRICE STORES	.12	.06	.01	.01	.00	.00	.00	.00	.01	.01
OTHER GENERAL MERCHANDISING	.11	.07	.54	.43	.00	.00	1.61	1.53	1.80	2.30
FOOD AND DAIRY STORES	.09	.07	.03	.03	.00	.00	.03	.02	.01	.01
AUTO DEALERS AND GAS STATIONS	.00	.00	.03	.04	.00	.00	.02	.01	.07	.12
AUTO AND ACCESSORY DEALERS	.00	.00	.03	.04	.00	.00	.02	.01	.07	.12
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.12	.10	.00	.00	1.04	.40	.01	.01
FURNITURE AND APPLIANCES	.00	.00	.30	.25	.00	.00	1.83	2.05	.01	.01
EATING AND DRINKING PLACES	.04	.04	2.61	2.71	.00	.00	.02	.01	.00	.00
MISCELLANEOUS RETAIL STORES	.08	.04	.16	.14	.00	.00	1.65	1.77	.05	.07
DRUG STORES	.00	.00	.04	.05	.00	.00	.01	.01	.02	.05
OTHER RETAIL STORES	.08	.04	.12	.09	.00	.00	1.64	1.76	.02	.02
FINANCE INSURANCE AND REAL ESTATE	1.45	.81	.11	.10	.00	.00	.23	.23	.69	.85
FINANCE	.05	.03	.04	.03	.00	.00	.14	.13	.33	.39
BANKS AND CREDIT AGENCIES	.05	.03	.02	.02	.00	.00	.14	.13	.09	.15
SECURITY AND INVESTMENT SERVICE	.00	.00	.01	.01	.00	.00	.00	.00	.24	.24
INSURANCE	1.06	.58	.06	.06	.00	.00	.00	.00	.31	.37
REAL ESTATE	.34	.20	.01	.01	.00	.00	.09	.09	.06	.09
SERVICES	81.42	88.11	84.92	86.24	99.85	99.84	27.22	34.60	18.87	20.18
HOTELS AND OTHER LODGING PLACES	.00	.00	.78	1.05	.00	.00	.01	.01	.01	.01
OTHER PERSONAL SERVICES	.00	.00	.49	.58	.00	.00	.40	.57	.01	.01
LAUNDRY CLEANERS AND VALET	.00	.00	.03	.04	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.46	.54	.00	.00	.40	.57	.01	.01
MISCELLANEOUS BUSINESS SERVICE	.53	.60	2.13	2.04	.00	.00	13.34	16.23	8.86	10.86
ADVERTISING	.00	.00	1.13	.89	.00	.00	.86	.90	5.17	4.72
OTHER MISC BUSINESS SERVICES	.53	.60	.99	1.15	.00	.00	12.48	15.33	3.68	6.14
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.03	.03	.00	.00	.03	.03	.04	.11
MOTION PICTURES AND THEATRES	.00	.00	6.82	4.87	.00	.00	.48	.43	2.23	1.88
MISC ENTERTAINMENT AND RECREATION	.15	.21	7.39	8.28	.00	.00	.06	.07	.12	.15
MEDICAL AND OTHER HEALTH SERVICES	.21	.17	.28	.21	1.35	1.07	.21	.19	.24	.13
HOSPITALS	.10	.08	.19	.13	.88	.72	.00	.00	.03	.04
OTHER MEDICAL AND HEALTH	.11	.10	.09	.08	.46	.36	.21	.19	.20	.09
LEGAL SERVICES	.07	.20	.01	.03	.00	.00	.02	.07	.01	.07
EDUCATIONAL SERVICES	2.60	1.77	52.05	57.99	1.30	3.10	.66	.86	2.95	2.67
NONPROFIT MEMBER ORGANIZATIONS	2.05	1.73	7.07	6.16	97.19	95.65	.09	.03	2.67	2.17
WELFARE AND RELIGIOUS ORGANS	1.92	1.64	5.81	5.01	97.19	95.65	.03	.00	1.24	1.18
OTHER NONPROFIT ORGANIZATIONS	.12	.09	1.26	1.15	.00	.00	.06	.03	1.43	.99
PRIVATE HOUSEHOLD SERVICES	.00	.00	.03	.02	.01	.02	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	75.81	83.43	7.84	4.98	.00	.00	11.92	16.10	1.73	2.12
ENGINEERING AND ARCHITECT SERV	73.20	81.34	.19	.32	.00	.00	9.29	13.45	.22	.76
ACCOUNTING AND BOOKKEEPING SERV	.45	.68	.00	.01	.00	.00	.09	.14	.00	.00
ALL OTHER PROFESSIONAL SERVICES	2.15	1.40	7.64	4.66	.00	.00	2.54	2.51	1.51	1.36
GOVERNMENT PUBLIC ADMINISTRATION	5.19	2.76	1.09	.97	.08	.08	.78	.82	3.52	3.26
FEDERAL PUBLIC ADMINISTRATION	2.98	1.83	.71	.65	.08	.08	.39	.37	2.80	2.42
POSTAL SERVICE	.17	.09	.01	.00	.00	.00	.00	.00	.01	.01
OTHER FEDERAL PUBLIC ADMIN	2.80	1.74	.70	.64	.08	.08	.39	.37	2.80	2.42
STATE PUBLIC ADMINISTRATION	1.36	.50	.14	.14	.00	.00	.08	.07	.46	.51
LOCAL PUBLIC ADMINISTRATION	.85	.43	.24	.19	.00	.00	.32	.38	.26	.33

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	LAWYERS AND JUDGES		LIBRARIANS		PERSONNEL AND LABOR RELAT WKRS		PHOTOGRAPHERS		SOCIAL AND WELFARE WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.04	.04	.07	.07	.06	.06	.02	.01	.00	.00
AGRICULTURE	.00	.00	.00	.00	.02	.02	.02	.01	.00	.00
FORESTRY	.04	.04	.07	.07	.04	.04	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.32	.25	.04	.03	.79	.62	.18	.18	.00	.00
METAL MINING	.00	.00	.00	.00	.14	.09	.00	.00	.00	.00
COAL MINING	.03	.02	.00	.00	.09	.06	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.26	.20	.04	.03	.48	.39	.18	.18	.00	.00
NONMETALLIC MINING AND QUARRYING	.02	.03	.00	.00	.08	.09	.00	.00	.00	.00
CONSTRUCTION	.42	.31	.03	.01	1.22	1.74	.18	.17	.00	.00
TOTAL MANUFACTURING	2.31	2.24	1.70	1.60	29.94	27.17	31.59	35.12	.16	.15
DURABLE GOODS MANUFACTURING	1.38	1.45	1.15	1.18	19.52	16.98	7.79	6.28	.12	.12
LUMBER AND WOOD PRODUCTS	.02	.01	.00	.00	.34	.37	.04	.04	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.03	.02	.04	.04	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.02	.01	.00	.00	.31	.35	.00	.00	.00	.00
FURNITURE AND FIXTURES	.02	.02	.00	.00	.34	.34	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.06	.06	.02	.02	.81	.81	.08	.06	.01	.01
GLASS AND GLASS PRODUCTS	.04	.05	.00	.00	.33	.30	.04	.02	.01	.01
CEMENT CONCRETE AND PLASTER	.01	.01	.00	.00	.17	.18	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.09	.09	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.01	.00	.02	.02	.20	.22	.04	.04	.00	.00
PRIMARY METAL INDUSTRIES	.10	.10	.07	.06	2.51	2.02	.57	.56	.04	.04
BLAST FURNACE AND STEEL WORKS	.08	.09	.07	.06	.71	.50	.37	.39	.00	.00
OTHER PRIMARY METAL IND	.00	.00	.00	.00	.82	.70	.06	.06	.02	.02
PRIMARY NONFERROUS METAL	.02	.02	.01	.00	.98	.83	.15	.11	.02	.02
FABRICATED METAL PRODUCTS NEC	.14	.15	.21	.22	2.93	2.57	1.18	.97	.00	.02
MACHINERY EXCEPT ELECTRICAL	.14	.12	.22	.27	3.02	2.64	1.70	1.28	.01	.00
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.17	.14	.06	.04	.00	.00
OFFICE MACHINERY	.05	.06	.06	.09	.63	.63	.38	.29	.00	.00
MISCELLANEOUS MACHINERY	.09	.06	.17	.18	2.22	1.87	1.26	.95	.01	.00
ELECTRICAL MACHINERY	.38	.43	.41	.41	4.18	3.56	1.75	1.48	.01	.01
TRANSPORTATION EQUIPMENT	.37	.37	.18	.16	3.73	2.89	1.77	1.26	.04	.02
MOTOR VEHICLES AND EQUIPMENT	.14	.17	.01	.00	1.70	1.35	.23	.18	.00	.00
AIR CRAFT AND ENGINES	.16	.16	.17	.16	1.27	1.02	1.28	.92	.03	.02
SHIP AND BOATBUILDING AND REP	.03	.03	.00	.00	.55	.38	.16	.10	.00	.00
RR AND OTHER TRANSPORT EQUIP	.04	.02	.00	.00	.21	.15	.09	.06	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.14	.15	.01	.00	1.07	1.08	.52	.49	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.14	.15	.01	.00	1.04	1.04	.52	.49	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.03	.04	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.02	.03	.03	.03	.59	.71	.19	.13	.02	.02
NONDURABLE GOODS MANUFACTURING	.93	.79	.55	.43	10.41	10.19	23.80	28.83	.03	.03
FOOD AND KINDRED PRODUCTS	.13	.11	.01	.00	2.08	1.98	.18	.17	.01	.01
MEAT PRODUCTS	.03	.03	.00	.00	.29	.28	.00	.00	.00	.00
DAIRY PRODUCTS	.01	.00	.00	.00	.21	.18	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.03	.03	.01	.00	.55	.62	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.01	.01	.00	.00	.31	.24	.05	.05	.00	.00
BAKERY PRODUCTS	.01	.00	.00	.00	.11	.08	.02	.05	.01	.01
BEVERAGE INDUSTRIES	.03	.03	.00	.00	.30	.33	.11	.07	.00	.00
OTHER FOOD PRODUCTS	.01	.00	.00	.00	.31	.26	.00	.00	.00	.00
TOBACCO MANUFACTURING	.00	.00	.01	.01	.07	.07	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.03	.03	.00	.00	.93	.86	.00	.03	.00	.00
APPAREL AND ACCESSORIES	.09	.12	.00	.01	.77	1.45	.00	.05	.00	.00
PAPER AND ALLIED PRODUCTS	.02	.05	.00	.00	1.44	1.45	.21	.24	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00	.00	.00	.61	.48	.09	.09	.00	.00
PAPERBOARD CONTAINERS + BOXES	.01	.01	.00	.00	.47	.47	.06	.07	.00	.00
ALL OTHER PAPER PRODUCTS	.01	.03	.00	.00	.36	.50	.06	.08	.00	.00
PRINTING AND PUBLISHING	.14	.14	.18	.13	.81	.73	22.05	26.95	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.27	.21	.32	.24	2.66	2.24	1.07	1.16	.00	.00
SYNTHETIC FIBERS	.04	.03	.00	.00	.38	.34	.00	.00	.00	.00
DRUGS AND MEDICINE	.08	.10	.04	.02	.43	.40	.07	.13	.00	.00
PAINTS AND VARNISHES AND REL	.01	.00	.01	.01	.05	.05	.00	.00	.00	.00
OTHER CHEMICALS	.14	.07	.27	.21	1.80	1.46	1.00	1.02	.00	.00
PETROLEUM REFIN AND COAL PROD	.20	.08	.04	.03	.59	.32	.13	.06	.01	.00
PETROLEUM REFINING	.19	.08	.04	.03	.55	.30	.13	.06	.01	.00
OTHER PETROL AND COAL PRODUCT	.01	.01	.00	.00	.03	.03	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.05	.06	.00	.00	.91	.91	.17	.18	.01	.01
RUBBER PRODUCTS	.03	.04	.00	.00	.37	.31	.08	.09	.01	.01
MISCELLANEOUS PLASTIC PRODUCT	.02	.02	.00	.00	.54	.60	.08	.09	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.14	.16	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.08	.08	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.04	.05	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	LAWYERS AND JUDGES		LIBRARIANS		PERSONNEL AND LABOR RELAT WKRS		PHOTOGRAPHERS		SOCIAL AND WELFARE WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.84	.63	.28	.15	6.38	5.18	2.29	2.47	.06	.03
TRANSPORTATION	.39	.27	.04	.02	1.73	1.47	.57	1.30	.00	.00
RAILROADS	.14	.08	.04	.02	.37	.15	.07	.06	.00	.00
LOCAL AND INTERURBAN PASSENGER	.05	.04	.00	.00	.11	.09	.08	.08	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.05	.04	.00	.00	.06	.05	.08	.08	.00	.00
TAXIS	.00	.00	.00	.00	.05	.04	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.06	.03	.00	.00	.48	.49	.00	.00	.00	.00
TRUCKING	.05	.02	.00	.00	.43	.45	.00	.00	.00	.00
WAREHOUSING	.01	.01	.00	.00	.04	.04	.00	.00	.00	.00
WATER TRANSPORTATION	.02	.02	.00	.00	.28	.27	.08	.75	.00	.00
AIR TRANSPORTATION	.07	.05	.00	.00	.47	.45	.34	.41	.00	.00
PIPELINES	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.04	.05	.00	.00	.02	.02	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.45	.36	.24	.14	4.65	3.71	1.72	1.17	.06	.03
COMMUNICATIONS	.18	.13	.16	.09	3.39	2.75	1.40	.94	.06	.03
TELEPHONE	.12	.06	.08	.04	3.28	2.66	.03	.02	.06	.03
TELEGRAPH	.01	.00	.00	.00	.01	.00	.02	.01	.00	.00
RADIO AND TV	.06	.06	.08	.05	.10	.08	1.35	.92	.00	.00
PUBLIC UTILITIES	.27	.23	.08	.04	1.26	.97	.32	.22	.00	.00
ELECTRIC GAS AND STEAM	.27	.23	.08	.04	1.24	.93	.28	.17	.00	.00
WATER AND IRRIGATION	.00	.00	.00	.00	.02	.04	.04	.05	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.65	.66	.17	.17	8.65	9.19	3.15	3.23	.03	.01
WHOLESALE TRADE	.43	.45	.10	.10	2.07	2.17	.60	.97	.03	.01
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.07	.06	.00	.00	.00	.00
DRUGS AND CHEMICALS	.09	.09	.07	.09	.14	.14	.11	.20	.02	.01
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.10	.17	.00	.00
GROCERIES AND RELATED	.02	.01	.00	.00	.16	.10	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.01	.00	.00	.00	.23	.28	.12	.27	.00	.00
MACHINERY AND EQUIPMENT	.11	.10	.00	.00	.51	.47	.22	.27	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.20	.25	.02	.01	.96	1.12	.05	.05	.01	.00
RETAIL TRADE	.22	.20	.08	.06	6.58	7.02	2.55	2.26	.00	.00
LUMBER BUILDING AND FARM EQUIP	.02	.01	.00	.00	.04	.03	.00	.00	.00	.00
GENERAL MERCHANDISING	.06	.05	.00	.00	4.55	4.69	.89	.62	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.83	.74	.02	.01	.00	.00
OTHER GENERAL MERCHANDISING	.06	.05	.00	.00	3.72	3.94	.87	.61	.00	.00
FOOD AND DAIRY STORES	.07	.10	.00	.00	.50	.64	.02	.02	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.24	.28	.04	.04	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.11	.16	.04	.04	.00	.00
GAS STATIONS	.00	.00	.00	.00	.13	.12	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.02	.02	.00	.00	.31	.28	.02	.01	.00	.00
FURNITURE AND APPLIANCES	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.65	.92	.03	.02	.00	.00
MISCELLANEOUS RETAIL STORES	.03	.02	.07	.06	.28	.19	1.55	1.55	.00	.00
DRUG STORES	.00	.00	.00	.00	.12	.09	.87	1.02	.00	.00
OTHER RETAIL STORES	.03	.02	.07	.06	.16	.10	.68	.53	.00	.00
FINANCE INSURANCE AND REAL ESTATE	3.42	3.16	.27	.25	4.65	4.40	.41	.31	.16	.15
FINANCE	.87	.79	.17	.17	1.98	1.92	.13	.11	.00	.00
BANKS AND CREDIT AGENCIES	.75	.70	.09	.09	1.77	1.77	.13	.11	.00	.00
SECURITY AND INVESTMENT SERVICE	.12	.09	.08	.08	.21	.16	.00	.00	.00	.00
INSURANCE	2.06	1.90	.10	.09	2.56	2.37	.25	.18	.06	.07
REAL ESTATE	.48	.46	.01	.00	.11	.10	.03	.02	.10	.08
SERVICES	77.14	78.78	95.78	96.14	18.92	23.51	55.82	53.92	39.37	35.47
HOTELS AND OTHER LODGING PLACES	.03	.03	.00	.00	.11	.12	.03	.02	.07	.05
OTHER PERSONAL SERVICES	.08	.09	.00	.00	.26	.42	35.12	25.79	.08	.13
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.16	.26	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.08	.09	.00	.00	.10	.15	35.12	25.79	.08	.13
MISCELLANEOUS BUSINESS SERVICE	.30	.37	.55	.91	7.17	10.25	5.81	11.10	.21	.08
ADVERTISING	.02	.03	.11	.14	.15	.16	.48	.53	.00	.00
OTHER MISC BUSINESS SERVICES	.28	.34	.44	.77	7.02	10.09	5.32	10.57	.21	.08
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.03	.04	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.15	.18	.04	.03	.07	.10	2.81	2.70	.00	.00
MISC ENTERTAINMENT AND RECREATION	.02	.02	.01	.00	.25	.40	.18	.22	.45	.50
MEDICAL AND OTHER HEALTH SERVICES	1.07	.73	5.58	5.42	3.31	5.23	4.83	4.33	12.41	13.41
HOSPITALS	.02	.01	5.30	5.18	3.99	3.73	2.63	2.76	7.78	6.88
OTHER MEDICAL AND HEALTH	1.05	.72	.28	.23	1.32	1.50	2.20	1.57	4.64	6.53
LEGAL SERVICES	74.10	76.02	.09	.09	.05	.06	.03	.12	.00	.00
EDUCATIONAL SERVICES	.19	.21	87.56	88.10	3.53	4.89	3.77	5.65	6.68	7.50
NONPROFIT MEMBER ORGANIZATIONS	.84	.72	1.52	1.03	1.62	1.45	.72	.65	18.73	13.09
WELFARE AND RELIGIOUS ORGANS	.33	.28	1.21	.81	1.09	1.11	.50	.50	17.27	12.12
OTHER NONPROFIT ORGANIZATIONS	.51	.44	.31	.23	.53	.34	.22	.15	1.46	.97
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.36	.40	.45	.56	.53	.56	2.52	3.33	.74	.72
ENGINEERING AND ARCHITECT SERV	.09	.15	.06	.19	.08	.12	.29	1.12	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.08	.02	.05	.02	.06	.04	.00	.00	.02	.04
ALL OTHER PROFESSIONAL SERVICES	.19	.23	.33	.34	.40	.40	2.23	2.21	.71	.67
GOVERNMENT PUBLIC ADMINISTRATION	14.88	13.94	1.65	1.57	29.40	28.12	6.38	4.60	60.22	64.19
FEDERAL PUBLIC ADMINISTRATION	5.10	4.99	1.21	.99	10.34	8.98	4.54	3.22	1.03	.76
POSTAL SERVICE	.02	.01	.00	.00	1.03	1.06	.03	.03	.00	.00
OTHER FEDERAL PUBLIC ADMIN	5.08	4.98	1.21	.99	9.31	7.92	4.51	3.19	1.03	.76
STATE PUBLIC ADMINISTRATION	4.20	3.52	.35	.46	17.15	16.84	.94	.66	20.02	20.44
LOCAL PUBLIC ADMINISTRATION	5.59	5.43	.09	.12	1.91	2.30	.89	.73	39.17	42.98

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PROF,TECH,AND KINDRED,NEC		MANAGERS,OFFICIALS, AND PROPRIETORS		CONDUCTORS, RAILROAD		CREDITMEN		OFFICERS,PILOTS, AND ENGINEERS,SHIP	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	1.63	1.08	.32	.28	.00	.00	.01	.01	4.82	6.32
AGRICULTURE	.42	.32	.24	.20	.00	.00	.01	.01	.03	.03
FORESTRY	1.15	.73	.03	.04	.00	.00	.00	.00	.23	.37
FISHERIES	.05	.03	.04	.04	.00	.00	.00	.00	4.57	5.93
MINING	.23	.15	.81	.66	.10	.08	.25	.15	2.47	2.29
METAL MINING	.03	.02	.06	.04	.10	.08	.00	.00	.00	.00
COAL MINING	.01	.01	.08	.05	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.14	.07	.51	.41	.00	.00	.25	.15	2.06	1.92
NONMETALLIC MINING AND QUARRYING	.05	.05	.16	.16	.00	.00	.00	.00	.40	.38
CONSTRUCTION	3.53	2.90	5.71	6.11	.22	.17	.09	.07	4.49	4.82
TOTAL MANUFACTURING	17.69	17.35	14.36	14.53	1.72	1.49	15.14	15.21	3.78	4.29
DURABLE GOODS MANUFACTURING	12.92	12.94	7.81	8.01	1.58	1.41	5.93	6.36	2.20	2.77
LUMBER AND WOOD PRODUCTS	.42	.44	.64	.50	.09	.06	.01	.01	.05	.04
LOGGING CAMPS AND CONTRACTORS	.26	.13	.20	.13	.05	.04	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.17	.30	.44	.37	.04	.02	.01	.01	.05	.04
FURNITURE AND FIXTURES	.11	.19	.34	.42	.00	.00	.51	.75	.00	.00
STONE CLAY AND GLASS PRODUCTS	.44	.58	.60	.78	.00	.00	.51	.38	.30	.67
GLASS AND GLASS PRODUCTS	.19	.24	.10	.11	.00	.00	.15	.19	.00	.00
CEMENT CONCRETE AND PLASTER	.08	.14	.31	.48	.00	.00	.24	.13	.25	.58
STRUCTURAL CLAY PRODUCTS	.03	.04	.05	.06	.00	.00	.03	.02	.05	.09
POTTERY AND RELATED PRODUCTS	.01	.01	.03	.02	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.13	.16	.12	.11	.00	.00	.10	.04	.00	.00
PRIMARY METAL INDUSTRIES	.66	.55	.60	.55	1.29	1.17	.42	.32	.53	.64
BLAST FURNACE AND STEEL WORKS	.27	.23	.15	.13	1.16	1.08	.17	.12	.46	.60
OTHER PRIMARY METAL IND	.12	.10	.19	.17	.00	.00	.06	.05	.04	.02
PRIMARY NONFERROUS METAL	.27	.22	.25	.24	.13	.09	.19	.16	.04	.02
FABRICATED METAL PRODUCTS NEC	1.57	1.57	1.30	1.40	.00	.00	.61	.63	.00	.00
MACHINERY EXCEPT ELECTRICAL	2.57	3.16	1.63	1.77	.05	.02	1.68	1.76	.00	.00
FARM MACHINERY AND EQUIPMENT	.12	.11	.08	.09	.00	.00	.25	.21	.00	.00
OFFICE MACHINERY	1.01	1.06	.26	.34	.00	.00	.05	.05	.00	.00
MISCELLANEOUS MACHINERY	1.44	1.99	1.28	1.35	.05	.02	1.37	1.50	.00	.00
ELECTRICAL MACHINERY	3.38	3.58	1.10	1.02	.00	.00	1.11	1.62	.03	.03
TRANSPORTATION EQUIPMENT	2.66	1.89	.78	.74	.14	.15	.58	.38	1.29	1.40
MOTOR VEHICLES AND EQUIPMENT	.93	.59	.29	.29	.04	.02	.24	.16	.00	.00
AIR CRAFT AND ENGINES	1.51	1.16	.29	.27	.00	.00	.09	.06	.00	.00
SHIP AND BOATBUILDING AND REP	.15	.09	.12	.11	.11	.14	.00	.00	1.29	1.40
RR AND OTHER TRANSPORT EQUIP	.07	.05	.07	.07	.00	.00	.25	.16	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.91	.77	.35	.34	.00	.00	.09	.10	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.90	.75	.33	.32	.00	.00	.06	.06	.00	.00
WATCHES AND CLOCK DEVICES	.02	.02	.02	.02	.00	.00	.03	.04	.00	.00
MISCELLANEOUS MANUFACTURING	.18	.20	.47	.49	.00	.00	.39	.41	.00	.00
NONDURABLE GOODS MANUFACTURING	4.77	4.41	6.55	6.52	.14	.08	9.21	8.85	1.58	1.53
FOOD AND KINDRED PRODUCTS	.62	.58	1.77	1.66	.09	.06	2.14	1.98	.57	.68
MEAT PRODUCTS	.06	.05	.25	.23	.00	.00	.45	.31	.00	.00
DAIRY PRODUCTS	.05	.04	.31	.29	.00	.00	.57	.66	.00	.00
CANNING PRESERVES + FREEZING	.13	.14	.23	.24	.00	.00	.11	.11	.39	.50
GRAIN MILL PRODUCTS	.12	.09	.18	.14	.00	.00	.43	.38	.00	.00
BAKERY PRODUCTS	.01	.00	.21	.16	.00	.00	.12	.14	.00	.00
BEVERAGE INDUSTRIES	.15	.16	.33	.36	.00	.00	.03	.04	.11	.09
OTHER FOOD PRODUCTS	.11	.09	.27	.24	.09	.06	.44	.33	.06	.08
TOBACCO MANUFACTURING	.03	.02	.05	.04	.00	.00	.13	.11	.00	.00
TEXTILE MILL PRODUCTS	.31	.33	.39	.42	.00	.00	.41	.32	.00	.00
APPAREL AND ACCESSORIES	.19	.30	.74	.84	.00	.00	1.23	1.89	.00	.00
PAPER AND ALLIED PRODUCTS	.48	.45	.46	.45	.00	.00	.42	.37	.02	.02
PULP PAPER AND BOARD MILLS	.32	.27	.17	.18	.00	.00	.05	.03	.02	.02
PAPERBOARD CONTAINERS + BOXES	.08	.08	.14	.11	.00	.00	.29	.24	.00	.00
ALL OTHER PAPER PRODUCTS	.08	.09	.15	.16	.00	.00	.08	.10	.00	.00
PRINTING AND PUBLISHING	.68	.61	1.42	1.44	.00	.00	1.40	1.16	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.75	1.45	.95	.90	.05	.03	1.64	1.28	.06	.04
SYNTHETIC FIBERS	.22	.26	.02	.02	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	.52	.45	.17	.17	.00	.00	.28	.29	.00	.00
PAINTS AND VARNISHES AND REL	.02	.02	.09	.10	.00	.00	.39	.35	.00	.00
OTHER CHEMICALS	.99	.72	.66	.60	.05	.03	.97	.64	.06	.04
PETROLEUM REFIN AND COAL PROD	.33	.27	.16	.10	.00	.00	.70	.45	.93	.79
PETROLEUM REFINING	.30	.25	.13	.07	.00	.00	.55	.28	.87	.73
OTHER PETROL AND COAL PRODUCT	.02	.02	.04	.03	.00	.00	.16	.17	.06	.06
RUBBER AND MISC PLASTIC PRODUCT	.34	.33	.43	.48	.00	.00	.95	1.06	.00	.00
RUBBER PRODUCTS	.24	.24	.18	.18	.00	.00	.70	.75	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.10	.09	.25	.30	.00	.00	.25	.31	.00	.00
LEATHER PRODUCTS	.05	.05	.19	.19	.00	.00	.20	.22	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.03	.03	.09	.09	.00	.00	.20	.22	.00	.00
ALL OTHER LEATHER PRODUCTS	.02	.02	.07	.08	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PROF,TECH,AND KINDRED,NEC		MANAGERS,OFFICIALS, AND PROPRIETORS		CONDUCTORS, RAILROAD		CREDITMEN		OFFICERS,PILOTS, AND ENGINEERS,SHIP	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	7.64	4.94	4.89	4.53	97.24	97.58	1.45	.96	78.11	74.08
TRANSPORTATION	.74	.48	3.52	3.12	97.23	97.56	.61	.53	78.04	73.98
RAILROADS	.36	.13	.86	.71	96.98	97.44	.13	.12	1.98	1.52
LOCAL AND INTERURBAN PASSENGER	.05	.04	.25	.18	.25	.12	.00	.00	.11	.07
LOCAL + INTERURBAN EXC TAXIS	.02	.02	.16	.14	.25	.12	.00	.00	.11	.07
TAXIS	.03	.02	.08	.04	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.07	.07	1.42	1.29	.00	.00	.35	.30	.14	.14
TRUCKING	.06	.07	1.23	1.12	.00	.00	.32	.27	.09	.08
WAREHOUSING	.01	.01	.18	.17	.00	.00	.02	.02	.05	.07
WATER TRANSPORTATION	.05	.06	.51	.48	.00	.00	.00	.00	74.60	70.62
AIR TRANSPORTATION	.16	.14	.28	.25	.00	.00	.09	.08	.62	.93
PIPELINES	.00	.00	.01	.01	.00	.00	.00	.00	.02	.01
TRANSPORTATION SERVICES	.05	.04	.19	.21	.00	.00	.05	.03	.57	.68
COMMUNICATIONS + PUBLIC UTILITIES	6.90	4.47	1.37	1.41	.01	.02	.84	.43	.07	.10
COMMUNICATIONS	6.21	3.83	.70	.74	.01	.02	.10	.14	.00	.00
TELEPHONE	3.51	2.18	.29	.34	.01	.02	.02	.01	.00	.00
TELEGRAPH	.04	.02	.05	.03	.00	.00	.00	.00	.00	.00
RADIO AND TV	2.66	1.62	.36	.37	.00	.00	.09	.13	.00	.00
PUBLIC UTILITIES	.69	.64	.67	.66	.00	.00	.74	.29	.07	.10
ELECTRIC GAS AND STEAM	.66	.61	.46	.40	.00	.00	.65	.11	.00	.00
WATER AND IRRIGATION	.02	.02	.14	.20	.00	.00	.05	.15	.00	.00
SANITARY SERVICES	.01	.01	.08	.07	.00	.00	.03	.03	.07	.10
WHOLESALE AND RETAIL TRADE	2.92	3.28	42.45	36.07	.03	.02	56.94	51.74	1.19	1.07
WHOLESALE TRADE	1.44	1.73	10.03	9.96	.00	.00	18.36	17.09	1.14	1.03
MOTOR VEHICLES AND EQUIPMENT	.08	.09	1.08	1.11	.00	.00	1.20	.83	.12	.12
DRUGS AND CHEMICALS	.18	.20	.46	.47	.00	.00	1.22	.63	.00	.00
DRY GOODS AND APPAREL	.08	.09	.45	.45	.00	.00	.97	.81	.00	.00
GROCERIES AND RELATED	.07	.07	1.06	.92	.00	.00	.50	.17	.21	.14
ELECTRIC HARDWARE AND PLUMBING	.07	.07	1.36	1.47	.00	.00	3.86	3.01	.00	.00
MACHINERY AND EQUIPMENT	.50	.63	1.91	2.06	.00	.00	3.63	4.10	.32	.34
MISCELLANEOUS WHOLESALE TRADE	.46	.57	3.72	3.48	.00	.00	6.98	7.53	.49	.43
RETAIL TRADE	1.48	1.55	32.42	26.11	.03	.02	38.58	34.65	.05	.03
LUMBER BUILDING AND FARM EQUIP	.02	.02	1.83	1.23	.03	.02	2.68	1.91	.02	.02
GENERAL MERCHANDISING	.56	.59	5.02	4.00	.00	.00	15.08	13.70	.00	.00
LIMITED PRICE STORES	.02	.02	.74	.57	.00	.00	.85	1.06	.00	.00
OTHER GENERAL MERCHANDISING	.53	.57	4.28	3.43	.00	.00	14.24	12.65	.00	.00
FOOD AND DAIRY STORES	.11	.15	5.34	4.22	.00	.00	.24	.23	.00	.00
AUTO DEALERS AND GAS STATIONS	.05	.06	5.83	5.11	.00	.00	6.44	7.60	.00	.00
AUTO AND ACCESSORY DEALERS	.04	.04	2.89	2.55	.00	.00	5.91	6.93	.00	.00
GAS STATIONS	.01	.01	2.94	2.56	.00	.00	.53	.67	.00	.00
APPAREL AND ACCESSORIES	.08	.04	2.22	1.54	.00	.00	5.64	4.60	.00	.00
FURNITURE AND APPLIANCES	.04	.04	1.41	1.00	.00	.00	3.40	2.72	.00	.00
EATING AND DRINKING PLACES	.10	.12	6.73	6.10	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.52	.52	4.05	2.90	.00	.00	5.10	3.89	.03	.02
DRUG STORES	.32	.35	.47	.44	.00	.00	.11	.11	.00	.00
OTHER RETAIL STORES	.20	.17	3.58	2.46	.00	.00	4.99	3.77	.03	.02
FINANCE INSURANCE AND REAL ESTATE	2.87	2.36	10.11	11.09	.18	.09	18.71	22.08	.08	.06
FINANCE	2.27	1.92	5.26	6.01	.00	.00	17.74	21.30	.00	.00
BANKS AND CREDIT AGENCIES	.80	.80	4.35	5.35	.00	.00	17.39	20.96	.00	.00
SECURITY AND INVESTMENT SERVICE	1.47	1.12	.91	.66	.00	.00	.34	.34	.00	.00
INSURANCE	.35	.17	2.26	2.19	.00	.00	.87	.66	.00	.00
REAL ESTATE	.26	.27	2.58	2.89	.18	.09	.11	.12	.08	.06
SERVICES	53.54	57.54	16.23	21.01	.00	.00	7.36	9.76	3.77	5.40
HOTELS AND OTHER LODGING PLACES	.77	.80	2.64	3.13	.00	.00	.46	.51	.04	.02
OTHER PERSONAL SERVICES	3.23	3.06	1.48	1.61	.00	.00	.01	.01	.00	.00
LAUNDRY CLEANERS AND VALET	.01	.00	1.24	1.36	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	3.23	3.06	.24	.25	.00	.00	.01	.01	.00	.00
MISCELLANEOUS BUSINESS SERVICE	3.57	5.48	3.63	5.46	.00	.00	3.83	5.44	.48	1.07
ADVERTISING	.21	.18	.46	.52	.00	.00	.31	.30	.07	.08
OTHER MISC BUSINESS SERVICES	3.36	5.30	3.17	4.94	.00	.00	3.52	5.15	.41	.98
AUTO REPAIR SERVICES	.01	.00	1.04	1.19	.00	.00	.08	.06	.00	.00
OTHER REPAIR SERVICE	.03	.04	.43	.40	.00	.00	.03	.04	.00	.00
MOTION PICTURES AND THEATRES	.21	.21	.52	.51	.00	.00	.07	.06	.00	.00
MISC ENTERTAINMENT AND RECREATION	2.64	3.11	.98	1.32	.00	.00	.16	.19	1.11	2.18
MEDICAL AND OTHER HEALTH SERVICES	2.65	1.68	1.20	1.42	.00	.00	2.53	3.35	.00	.00
HOSPITALS	1.60	.95	.64	.71	.00	.00	2.14	2.76	.00	.00
OTHER MEDICAL AND HEALTH	1.05	.74	.56	.71	.00	.00	.40	.58	.00	.00
LEGAL SERVICES	.27	.23	.03	.05	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	21.44	29.94	2.28	4.03	.00	.00	.06	.03	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	16.47	10.89	1.66	1.48	.00	.00	.05	.05	.11	.08
WELFARE AND RELIGIOUS ORGANS	13.12	8.46	.54	.59	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	3.36	2.44	1.12	.88	.00	.00	.05	.05	.11	.08
PRIVATE HOUSEHOLD SERVICES	.02	.01	.01	.01	.00	.00	.00	.00	1.95	1.99
OTHER PROFESSIONAL AND RELAT SERV	2.24	2.07	.33	.41	.00	.00	.07	.03	.08	.06
ENGINEERING AND ARCHITECT SERV	.24	.56	.12	.22	.00	.00	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.01	.00	.08	.04	.00	.00	.07	.03	.00	.00
ALL OTHER PROFESSIONAL SERVICES	1.99	1.51	.13	.15	.00	.00	.00	.00	.08	.06
GOVERNMENT PUBLIC ADMINISTRATION	9.94	10.42	5.10	5.72	.50	.57	.04	.03	1.30	1.67
FEDERAL PUBLIC ADMINISTRATION	6.50	5.46	2.10	2.11	.50	.57	.00	.00	.88	.88
POSTAL SERVICE	.19	.13	.58	.56	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	6.30	5.34	1.53	1.56	.50	.57	.00	.00	.88	.88
STATE PUBLIC ADMINISTRATION	2.21	3.31	.93	1.11	.00	.00	.01	.01	.14	.14
LOCAL PUBLIC ADMINISTRATION	1.23	1.64	2.07	2.50	.00	.00	.03	.02	.27	.66

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	POSTMASTERS AND ASSISTANTS		PURCHASING AGENTS		MANAGERS, OFFICIALS, AND PROPRIETOR, NEC		CLERICAL AND KINDRED WORKERS		STENOS, TYPISTS, AND SECRETARIES	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.16	.13	.31	.26	.23	.25	.24	.20
AGRICULTURE	.00	.00	.03	.03	.25	.21	.18	.20	.17	.13
FORESTRY	.00	.00	.12	.10	.03	.03	.04	.04	.06	.06
FISHERIES	.00	.00	.01	.01	.03	.02	.01	.01	.01	.01
MINING	.00	.00	1.28	.98	.81	.66	.51	.38	.69	.47
METAL MINING	.00	.00	.26	.19	.05	.04	.05	.04	.06	.04
COAL MINING	.00	.00	.19	.12	.08	.05	.05	.03	.02	.01
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.64	.45	.51	.41	.34	.25	.56	.38
NONMETALLIC MINING AND QUARRYING	.00	.00	.20	.22	.16	.16	.07	.07	.04	.04
CONSTRUCTION	.00	.00	.84	.78	5.92	6.34	1.67	1.95	1.92	2.11
TOTAL MANUFACTURING	.00	.00	55.26	54.06	13.67	13.87	18.49	16.74	19.05	17.03
DURABLE GOODS MANUFACTURING	.00	.00	39.15	40.13	7.25	7.45	10.49	9.24	11.20	9.97
LUMBER AND WOOD PRODUCTS	.00	.00	2.08	1.62	.63	.48	.27	.24	.24	.23
LOGGING CAMPS AND CONTRACTORS	.00	.00	1.10	.76	.19	.12	.02	.01	.02	.01
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.98	.86	.44	.37	.25	.23	.22	.22
FURNITURE AND FIXTURES	.00	.00	.80	.91	.33	.41	.33	.37	.31	.37
STONE CLAY AND GLASS PRODUCTS	.00	.00	1.41	1.55	.59	.78	.51	.52	.48	.44
GLASS AND GLASS PRODUCTS	.00	.00	.30	.29	.10	.10	.14	.11	.13	.10
CEMENT CONCRETE AND PLASTER	.00	.00	.57	.83	.31	.48	.16	.21	.14	.17
STRUCTURAL CLAY PRODUCTS	.00	.00	.11	.13	.05	.06	.04	.04	.04	.04
POTTERY AND RELATED PRODUCTS	.00	.00	.12	.10	.02	.02	.03	.03	.03	.02
MISC NONMETALLIC AND STONE	.00	.00	.32	.20	.11	.11	.14	.13	.14	.11
PRIMARY METAL INDUSTRIES	.00	.00	2.64	2.42	.55	.51	1.12	.93	.99	.82
BLAST FURNACE AND STEEL WORKS	.00	.00	.76	.57	.13	.11	.48	.36	.31	.23
OTHER PRIMARY METAL IND	.00	.00	.81	.72	.18	.16	.28	.24	.25	.22
PRIMARY NONFERROUS METAL	.00	.00	1.08	1.12	.24	.23	.36	.32	.42	.38
FABRICATED METAL PRODUCTS NEC	.00	.00	5.94	6.13	1.22	1.33	1.52	1.36	1.58	1.[illegible]
MACHINERY EXCEPT ELECTRICAL	.00	.00	7.74	7.83	1.52	1.67	2.00	1.72	2.20	1.[illegible]
FARM MACHINERY AND EQUIPMENT	.00	.00	.45	.45	.08	.08	.13	.12	.13	.12
OFFICE MACHINERY	.00	.00	1.16	1.34	.25	.32	.39	.36	.52	.50
MISCELLANEOUS MACHINERY	.00	.00	6.12	6.04	1.19	1.27	1.49	1.24	1.55	1.34
ELECTRICAL MACHINERY	.00	.00	8.08	8.94	.97	.86	1.97	1.84	2.59	2.43
TRANSPORTATION EQUIPMENT	.00	.00	7.27	6.85	.65	.63	1.71	1.24	1.69	1.30
MOTOR VEHICLES AND EQUIPMENT	.00	.00	1.91	1.90	.26	.27	.61	.42	.56	.45
AIR CRAFT AND ENGINES	.00	.00	4.24	3.98	.22	.20	.77	.55	.83	.61
SHIP AND BOATBUILDING AND REP	.00	.00	.73	.69	.11	.09	.22	.19	.20	.16
RR AND OTHER TRANSPORT EQUIP	.00	.00	.40	.28	.07	.06	.10	.08	.10	.07
PROF SCIENTIFIC INSTRUMENTS	.00	.00	2.38	3.09	.32	.29	.60	.56	.70	.62
INSTRUMENTS EXCEPT CLOCKS	.00	.00	2.24	2.95	.29	.27	.57	.53	.66	.59
WATCHES AND CLOCK DEVICES	.00	.00	.14	.14	.02	.02	.03	.03	.04	.03
MISCELLANEOUS MANUFACTURING	.00	.00	.80	.80	.47	.49	.46	.48	.42	.39
NONDURABLE GOODS MANUFACTURING	.00	.00	16.11	13.93	6.41	6.42	7.99	7.50	7.85	7.06
FOOD AND KINDRED PRODUCTS	.00	.00	5.43	4.78	1.71	1.61	1.61	1.42	1.36	1.14
MEAT PRODUCTS	.00	.00	2.24	1.77	.21	.21	.24	.21	.13	.10
DAIRY PRODUCTS	.00	.00	.46	.50	.30	.28	.27	.26	.12	.11
CANNING PRESERVES + FREEZING	.00	.00	.98	.97	.22	.22	.29	.27	.49	.41
GRAIN MILL PRODUCTS	.00	.00	.51	.37	.17	.13	.12	.09	.13	.09
BAKERY PRODUCTS	.00	.00	.23	.19	.21	.17	.19	.15	.07	.05
BEVERAGE INDUSTRIES	.00	.00	.25	.21	.34	.37	.22	.21	.21	.17
OTHER FOOD PRODUCTS	.00	.00	.75	.75	.26	.23	.27	.25	.22	.21
TOBACCO MANUFACTURING	.00	.00	.55	.47	.04	.03	.06	.05	.05	.04
TEXTILE MILL PRODUCTS	.00	.00	.77	.65	.39	.42	.60	.59	.51	.49
APPAREL AND ACCESSORIES	.00	.00	1.49	1.12	.73	.83	.80	.89	.51	.56
PAPER AND ALLIED PRODUCTS	.00	.00	1.30	1.02	.44	.45	.66	.64	.66	.61
PULP PAPER AND BOARD MILLS	.00	.00	.73	.65	.16	.18	.24	.19	.27	.22
PAPERBOARD CONTAINERS + BOXES	.00	.00	.28	.14	.13	.11	.20	.19	.18	.17
ALL OTHER PAPER PRODUCTS	.00	.00	.29	.22	.15	.16	.22	.26	.20	.22
PRINTING AND PUBLISHING	.00	.00	.80	.69	1.46	1.48	1.94	1.86	1.98	1.88
CHEMICALS AND ALLIED PRODUCTS	.00	.00	3.61	3.09	.90	.86	1.25	1.02	1.72	1.41
SYNTHETIC FIBERS	.00	.00	.08	.06	.02	.02	.07	.07	.09	.09
DRUGS AND MEDICINE	.00	.00	.43	.25	.16	.17	.24	.20	.40	.38
PAINTS AND VARNISHES AND REL	.00	.00	.21	.22	.09	.09	.10	.09	.11	.09
OTHER CHEMICALS	.00	.00	2.89	2.55	.62	.57	.83	.66	1.12	.84
PETROLEUM REFIN AND COAL PROD	.00	.00	.50	.26	.15	.09	.28	.16	.34	.20
PETROLEUM REFINING	.00	.00	.37	.15	.11	.06	.22	.11	.26	.13
OTHER PETROL AND COAL PRODUCT	.00	.00	.14	.11	.04	.03	.06	.05	.08	.07
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	1.05	1.16	.42	.47	.55	.61	.55	.54
RUBBER PRODUCTS	.00	.00	.56	.52	.17	.17	.27	.25	.26	.23
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.49	.64	.25	.30	.27	.35	.28	.31
LEATHER PRODUCTS	.00	.00	.62	.68	.18	.19	.25	.27	.18	.18
LEATHER TANNING AND FINISHING	.00	.00	.08	.07	.02	.02	.01	.01	.01	.01
FOOTWEAR EXCEPT RUBBER	.00	.00	.41	.48	.09	.08	.18	.18	.11	.10
ALL OTHER LEATHER PRODUCTS	.00	.00	.13	.14	.07	.08	.06	.07	.06	.07

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	POSTMASTERS AND ASSISTANTS		PURCHASING AGENTS		MANAGERS,OFFICIALS, AND PROPRIETOR,NEC		CLERICAL AND KINDRED WORKERS		STENOS,TYPISTS, AND SECRETARIES	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	3.20	2.73	4.20	3.98	9.38	7.76	4.58	3.86
TRANSPORTATION	.00	.00	1.84	1.26	2.81	2.55	4.12	3.77	2.18	1.93
RAILROADS	.00	.00	.23	.18	.40	.32	.88	.49	.31	.18
LOCAL AND INTERURBAN PASSENGER	.00	.00	.20	.14	.25	.18	.35	.27	.11	.09
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.18	.13	.17	.14	.25	.19	.10	.08
TAXIS	.00	.00	.02	.01	.08	.04	.10	.08	.01	.01
TRUCKING AND WAREHOUSING	.00	.00	.49	.31	1.47	1.33	1.37	1.34	.81	.72
TRUCKING	.00	.00	.29	.13	1.28	1.16	1.22	1.21	.72	.65
WAREHOUSING	.00	.00	.20	.17	.19	.17	.15	.13	.09	.08
WATER TRANSPORTATION	.00	.00	.25	.19	.21	.25	.26	.29	.19	.17
AIR TRANSPORTATION	.00	.00	.36	.13	.28	.26	.77	.82	.45	.42
PIPELINES	.00	.00	.02	.02	.01	.01	.02	.02	.02	.02
TRANSPORTATION SERVICES	.00	.00	.31	.31	.19	.21	.47	.54	.29	.34
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	1.36	1.47	1.39	1.43	5.26	3.99	2.40	1.93
COMMUNICATIONS	.00	.00	.11	.09	.72	.77	3.81	2.75	1.39	1.06
TELEPHONE	.00	.00	.06	.03	.30	.35	3.45	2.52	.95	.72
TELEGRAPH	.00	.00	.00	.00	.05	.03	.20	.09	.15	.07
RADIO AND TV	.00	.00	.06	.06	.37	.38	.16	.14	.30	.27
PUBLIC UTILITIES	.00	.00	1.24	1.38	.67	.66	1.45	1.24	1.01	.87
ELECTRIC GAS AND STEAM	.00	.00	1.08	1.08	.45	.39	1.18	.86	.83	.63
WATER AND IRRIGATION	.00	.00	.14	.26	.14	.20	.22	.32	.13	.20
SANITARY SERVICES	.00	.00	.02	.05	.08	.07	.05	.06	.05	.04
WHOLESALE AND RETAIL TRADE	.00	.00	17.63	16.48	43.43	36.71	19.56	19.80	10.28	9.28
WHOLESALE TRADE	.00	.00	12.96	12.21	10.03	9.95	6.69	6.31	6.02	5.15
MOTOR VEHICLES AND EQUIPMENT	.00	.00	1.78	1.34	1.08	1.12	.62	.59	.34	.24
DRUGS AND CHEMICALS	.00	.00	.56	.23	.45	.48	.51	.49	.46	.35
DRY GOODS AND APPAREL	.00	.00	.43	.43	.45	.45	.33	.31	.27	.20
GROCERIES AND RELATED	.00	.00	.30	.12	1.10	.95	.64	.50	.38	.26
ELECTRIC HARDWARE AND PLUMBING	.00	.00	4.13	4.79	1.30	1.41	1.12	1.04	1.06	.88
MACHINERY AND EQUIPMENT	.00	.00	2.95	2.72	1.90	2.05	1.31	1.37	1.69	1.80
MISCELLANEOUS WHOLESALE TRADE	.00	.00	2.81	2.58	3.76	3.50	2.16	2.02	1.82	1.41
RETAIL TRADE	.00	.00	4.67	4.27	33.40	26.76	12.87	13.49	4.26	4.13
LUMBER BUILDING AND FARM EQUIP	.00	.00	.90	.71	1.86	1.25	.69	.54	.44	.37
GENERAL MERCHANDISING	.00	.00	.98	.96	5.09	4.00	3.67	3.91	1.25	1.13
LIMITED PRICE STORES	.00	.00	.07	.08	.76	.58	.37	.35	.10	.10
OTHER GENERAL MERCHANDISING	.00	.00	.91	.88	4.33	3.42	3.30	3.56	1.15	1.03
FOOD AND DAIRY STORES	.00	.00	.42	.40	5.56	4.39	3.65	4.16	.28	.38
AUTO DEALERS AND GAS STATIONS	.00	.00	.55	.54	6.01	5.23	1.03	1.08	.56	.54
AUTO AND ACCESSORY DEALERS	.00	.00	.50	.49	2.96	2.57	.86	.88	.50	.46
GAS STATIONS	.00	.00	.05	.05	3.06	2.66	.17	.19	.06	.07
APPAREL AND ACCESSORIES	.00	.00	.10	.00	2.26	1.56	.83	.73	.23	.20
FURNITURE AND APPLIANCES	.00	.00	.03	.03	1.44	1.01	.63	.61	.44	.42
EATING AND DRINKING PLACES	.00	.00	.72	.62	7.01	6.35	.90	.99	.19	.25
MISCELLANEOUS RETAIL STORES	.00	.00	.98	1.00	4.16	2.96	1.47	1.47	.88	.84
DRUG STORES	.00	.00	.02	.03	.49	.46	.39	.47	.08	.10
OTHER RETAIL STORES	.00	.00	.94	.97	3.67	2.50	1.08	1.00	.80	.74
FINANCE INSURANCE AND REAL ESTATE	.00	.00	3.07	2.73	10.32	11.27	13.60	11.55	15.07	12.26
FINANCE	.00	.00	1.26	1.05	5.31	6.01	7.29	6.29	5.32	4.38
BANKS AND CREDIT AGENCIES	.00	.00	.84	.74	4.37	5.33	6.54	5.75	4.39	3.76
SECURITY AND INVESTMENT SERVICE	.00	.00	.42	.31	.94	.68	.75	.54	.93	.63
INSURANCE	.00	.00	.96	.79	2.33	2.26	5.10	4.09	7.64	5.95
REAL ESTATE	.00	.00	.85	.89	2.67	2.99	1.21	1.17	2.11	1.93
SERVICES	.00	.00	12.30	15.64	16.60	21.47	23.19	29.00	37.21	44.62
HOTELS AND OTHER LODGING PLACES	.00	.00	.87	1.02	2.73	3.24	.86	.98	.29	.32
OTHER PERSONAL SERVICES	.00	.00	.10	.11	1.54	1.68	.88	1.03	.17	.17
LAUNDRY CLEANERS AND VALET	.00	.00	.04	.03	1.29	1.42	.70	.79	.09	.09
ALL OTHER PERSONAL SERVICES	.00	.00	.05	.07	.25	.26	.18	.24	.09	.09
MISCELLANEOUS BUSINESS SERVICE	.00	.00	3.66	5.76	3.67	5.51	3.51	5.51	5.01	7.43
ADVERTISING	.00	.00	.23	.12	.47	.54	.30	.25	.42	.32
OTHER MISC BUSINESS SERVICES	.00	.00	3.43	5.65	3.20	4.98	3.21	5.25	4.59	7.12
AUTO REPAIR SERVICES	.00	.00	.14	.14	1.08	1.24	.20	.26	.06	.05
OTHER REPAIR SERVICE	.00	.00	.10	.07	.45	.42	.12	.11	.09	.07
MOTION PICTURES AND THEATRES	.00	.00	.45	.48	.53	.52	.38	.34	.23	.20
MISC ENTERTAINMENT AND RECREATION	.00	.00	.11	.12	1.01	1.36	.34	.48	.25	.32
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	2.90	3.21	1.17	1.38	5.87	5.83	7.17	6.74
HOSPITALS	.00	.00	2.69	2.98	.59	.65	2.63	2.44	3.48	3.20
OTHER MEDICAL AND HEALTH	.00	.00	.21	.23	.58	.73	3.24	3.39	3.68	3.55
LEGAL SERVICES	.00	.00	.00	.00	.04	.05	1.19	1.42	3.99	4.68
EDUCATIONAL SERVICES	.00	.00	2.76	3.43	2.32	4.13	5.38	9.21	10.13	16.59
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.67	.58	1.72	1.53	3.07	2.56	7.42	5.87
WELFARE AND RELIGIOUS ORGANS	.00	.00	.40	.36	.56	.61	1.94	1.73	5.12	4.28
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.27	.22	1.16	.91	1.13	.84	2.30	1.59
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.03	.03	.08	.08
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.54	.72	.34	.41	1.35	1.24	2.22	2.10
ENGINEERING AND ARCHITECT SERV	.00	.00	.29	.44	.12	.22	.21	.35	.47	.79
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.08	.04	.83	.57	1.28	.78
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.25	.28	.13	.15	.30	.31	.57	.53
GOVERNMENT PUBLIC ADMINISTRATION	100.00	100.00	6.26	6.48	4.74	5.44	13.37	12.56	10.98	10.16
FEDERAL PUBLIC ADMINISTRATION	100.00	100.00	4.13	3.79	1.66	1.74	8.99	8.02	5.08	4.09
POSTAL SERVICE	100.00	100.00	.00	.00	.16	.20	4.20	4.15	.08	.06
OTHER FEDERAL PUBLIC ADMIN	.00	.00	4.13	3.79	1.50	1.54	4.79	3.86	5.00	4.03
STATE PUBLIC ADMINISTRATION	.00	.00	.81	1.03	.95	1.14	1.88	1.78	2.56	2.25
LOCAL PUBLIC ADMINISTRATION	.00	.00	1.32	1.66	2.13	2.57	2.50	2.77	3.35	3.82

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OFFICE MACHINE OPERATORS		OTHER CLERICAL AND KINDRED WORKERS		ACCOUNTING CLERKS		BOOKKEEPERS, HAND		BANK TELLERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.04	.05	.24	.29	.21	.17	.89	.90	.00	.00
AGRICULTURE	.01	.01	.20	.24	.20	.15	.85	.85	.00	.00
FORESTRY	.02	.02	.03	.04	.01	.00	.04	.04	.00	.00
FISHERIES	.00	.01	.01	.01	.00	.01	.01	.01	.00	.00
MINING	.38	.44	.46	.34	.69	.54	.61	.46	.00	.00
METAL MINING	.06	.04	.05	.03	.05	.04	.04	.03	.00	.00
COAL MINING	.02	.02	.06	.03	.11	.08	.07	.05	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.27	.35	.27	.19	.42	.35	.40	.30	.00	.00
NONMETALLIC MINING AND QUARRYING	.02	.03	.08	.08	.11	.08	.10	.08	.00	.00
CONSTRUCTION	.45	.59	1.65	1.99	5.82	7.64	4.07	4.92	.00	.00
TOTAL MANUFACTURING	24.42	24.08	17.93	16.10	20.41	18.41	11.95	11.74	.00	.00
DURABLE GOODS MANUFACTURING	13.49	13.17	10.06	8.68	10.45	9.84	5.08	4.99	.00	.00
LUMBER AND WOOD PRODUCTS	.20	.17	.29	.25	.38	.32	.58	.52	.00	.00
LOGGING CAMPS AND CONTRACTORS	.02	.01	.02	.01	.09	.05	.04	.03	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.18	.16	.27	.24	.29	.27	.54	.49	.00	.00
FURNITURE AND FIXTURES	.36	.36	.33	.37	.26	.25	.42	.43	.00	.00
STONE CLAY AND GLASS PRODUCTS	.52	.55	.52	.54	.61	.69	.72	1.04	.00	.00
GLASS AND GLASS PRODUCTS	.12	.13	.14	.12	.22	.16	.03	.02	.00	.00
CEMENT CONCRETE AND PLASTER	.14	.16	.17	.23	.23	.38	.49	.81	.00	.00
STRUCTURAL CLAY PRODUCTS	.09	.10	.04	.04	.06	.05	.04	.04	.00	.00
POTTERY AND RELATED PRODUCTS	.01	.01	.04	.03	.02	.01	.01	.01	.00	.00
MISC NONMETALLIC AND STONE	.17	.15	.14	.13	.08	.08	.16	.17	.00	.00
PRIMARY METAL INDUSTRIES	1.26	1.16	1.16	.95	1.39	1.11	.07	.04	.00	.00
BLAST FURNACE AND STEEL WORKS	.43	.36	.54	.42	.45	.33	.00	.00	.00	.00
OTHER PRIMARY METAL IND	.31	.26	.29	.25	.56	.55	.00	.00	.00	.00
PRIMARY NONFERROUS METAL	.51	.54	.33	.29	.38	.23	.07	.04	.00	.00
FABRICATED METAL PRODUCTS NEC	1.70	1.55	1.49	1.33	1.54	1.65	.44	.25	.00	.00
MACHINERY EXCEPT ELECTRICAL	2.94	2.64	1.87	1.55	1.97	1.38	.97	.75	.00	.00
FARM MACHINERY AND EQUIPMENT	.19	.17	.12	.11	.09	.08	.08	.08	.00	.00
OFFICE MACHINERY	.45	.45	.33	.30	.24	.24	.12	.08	.00	.00
MISCELLANEOUS MACHINERY	2.29	2.01	1.42	1.14	1.64	1.05	.76	.59	.00	.00
ELECTRICAL MACHINERY	3.54	3.93	1.65	1.46	1.98	2.18	.64	.72	.00	.00
TRANSPORTATION EQUIPMENT	1.91	1.52	1.70	1.19	1.60	1.55	.22	.21	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.94	.74	.61	.38	.82	.80	.00	.00	.00	.00
AIR CRAFT AND ENGINES	.69	.54	.75	.53	.38	.35	.13	.12	.00	.00
SHIP AND BOATBUILDING AND REP	.17	.16	.23	.20	.27	.28	.04	.04	.00	.00
RR AND OTHER TRANSPORT EQUIP	.10	.07	.11	.09	.14	.12	.05	.04	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.62	.83	.57	.51	.32	.30	.36	.33	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.57	.78	.53	.49	.31	.28	.33	.30	.00	.00
WATCHES AND CLOCK DEVICES	.05	.05	.03	.02	.01	.01	.04	.03	.00	.00
MISCELLANEOUS MANUFACTURING	.44	.47	.48	.51	.40	.42	.65	.69	.00	.00
NONDURABLE GOODS MANUFACTURING	10.93	10.90	7.87	7.42	9.96	8.57	6.87	6.75	.00	.00
FOOD AND KINDRED PRODUCTS	3.17	2.85	1.61	1.43	2.56	2.19	2.12	2.02	.00	.00
MEAT PRODUCTS	.64	.50	.25	.23	.41	.35	.21	.18	.00	.00
DAIRY PRODUCTS	.69	.69	.30	.28	.46	.47	.64	.67	.00	.00
CANNING PRESERVES + FREEZING	.24	.36	.23	.21	.24	.24	.33	.35	.00	.00
GRAIN MILL PRODUCTS	.19	.12	.12	.08	.29	.17	.20	.14	.00	.00
BAKERY PRODUCTS	.43	.28	.23	.18	.36	.24	.08	.06	.00	.00
BEVERAGE INDUSTRIES	.42	.40	.22	.21	.41	.41	.37	.37	.00	.00
OTHER FOOD PRODUCTS	.55	.50	.27	.24	.38	.31	.29	.25	.00	.00
TOBACCO MANUFACTURING	.08	.07	.06	.05	.10	.07	.01	.01	.00	.00
TEXTILE MILL PRODUCTS	.80	.73	.62	.61	.52	.60	.58	.65	.00	.00
APPAREL AND ACCESSORIES	1.17	1.57	.88	.97	.83	.78	1.31	1.41	.00	.00
PAPER AND ALLIED PRODUCTS	.77	.84	.66	.63	.70	.44	.21	.15	.00	.00
PULP PAPER AND BOARD MILLS	.25	.23	.22	.18	.31	.16	.00	.00	.00	.00
PAPERBOARD CONTAINERS + BOXES	.21	.21	.21	.19	.21	.15	.11	.07	.00	.00
ALL OTHER PAPER PRODUCTS	.31	.40	.23	.26	.19	.13	.10	.08	.00	.00
PRINTING AND PUBLISHING	1.60	1.51	1.95	1.88	2.03	1.50	1.47	1.39	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.80	1.82	1.04	.82	2.02	1.82	.35	.31	.00	.00
SYNTHETIC FIBERS	.13	.12	.06	.06	.13	.14	.00	.00	.00	.00
DRUGS AND MEDICINE	.39	.42	.18	.11	.34	.30	.04	.03	.00	.00
PAINTS AND VARNISHES AND REL	.25	.26	.10	.08	.19	.20	.08	.08	.00	.00
OTHER CHEMICALS	1.03	1.02	.72	.56	1.36	1.18	.23	.19	.00	.00
PETROLEUM REFIN AND COAL PROD	.50	.33	.24	.14	.42	.30	.20	.14	.00	.00
PETROLEUM REFINING	.44	.25	.19	.09	.36	.22	.16	.10	.00	.00
OTHER PETROL AND COAL PRODUCT	.06	.08	.05	.05	.06	.08	.04	.04	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.69	.73	.54	.62	.59	.66	.36	.42	.00	.00
RUBBER PRODUCTS	.47	.49	.27	.24	.29	.30	.07	.07	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.22	.24	.27	.38	.30	.36	.29	.35	.00	.00
LEATHER PRODUCTS	.34	.48	.27	.29	.20	.21	.27	.27	.00	.00
LEATHER TANNING AND FINISHING	.03	.04	.02	.01	.01	.00	.02	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	.23	.33	.20	.20	.09	.09	.16	.15	.00	.00
ALL OTHER LEATHER PRODUCTS	.09	.09	.06	.07	.09	.12	.09	.11	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OFFICE MACHINE OPERATORS		OTHER CLERICAL AND KINDRED WORKERS		ACCOUNTING CLERKS		BOOKKEPPERS,HAND		BANK TELLERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	8.59	7.92	11.17	9.25	10.83	8.63	2.18	2.17	.00	.00
TRANSPORTATION	3.88	3.98	4.84	4.46	4.69	4.19	1.23	1.22	.00	.00
RAILROADS	1.14	.98	1.07	.58	.52	.24	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.19	.19	.44	.34	.27	.20	.22	.21	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.17	.17	.30	.23	.25	.17	.08	.08	.00	.00
TAXIS	.02	.03	.14	.11	.02	.02	.14	.13	.00	.00
TRUCKING AND WAREHOUSING	1.58	1.89	1.56	1.54	2.33	2.40	.90	.85	.00	.00
TRUCKING	1.51	1.80	1.38	1.39	2.24	2.32	.48	.45	.00	.00
WAREHOUSING	.07	.09	.18	.15	.09	.07	.42	.40	.00	.00
WATER TRANSPORTATION	.22	.25	.28	.34	.41	.39	.00	.00	.00	.00
AIR TRANSPORTATION	.36	.31	.92	1.01	.63	.38	.00	.00	.00	.00
PIPELINES	.03	.03	.02	.02	.14	.13	.00	.00	.00	.00
TRANSPORTATION SERVICES	.36	.33	.54	.64	.40	.47	.10	.17	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	4.71	3.94	6.33	4.79	6.13	4.43	.96	.95	.00	.00
COMMUNICATIONS	3.77	2.31	4.74	3.44	3.42	2.37	.23	.20	.00	.00
TELEPHONE	2.60	2.19	4.40	3.23	3.10	2.10	.00	.00	.00	.00
TELEGRAPH	.06	.03	.23	.11	.08	.05	.05	.03	.00	.00
RADIO AND TV	.10	.10	.11	.10	.24	.22	.18	.18	.00	.00
PUBLIC UTILITIES	1.94	1.63	1.59	1.35	2.72	2.07	.73	.75	.00	.00
ELECTRIC GAS AND STEAM	1.67	1.16	1.29	.93	2.17	1.22	.57	.48	.00	.00
WATER AND IRRIGATION	.26	.47	.24	.36	.43	.72	.13	.23	.00	.00
SANITARY SERVICES	.00	.00	.06	.06	.12	.13	.03	.03	.00	.00
WHOLESALE AND RETAIL TRADE	25.20	24.14	22.60	23.55	26.95	28.08	37.92	39.56	.00	.00
WHOLESALE TRADE	13.08	12.94	6.56	6.28	12.43	13.36	10.21	10.40	.00	.00
MOTOR VEHICLES AND EQUIPMENT	1.28	1.34	.69	.67	.83	.79	1.38	1.29	.00	.00
DRUGS AND CHEMICALS	.87	.82	.51	.51	.44	.36	.02	.02	.00	.00
DRY GOODS AND APPAREL	.50	.50	.34	.33	.51	.57	.58	.65	.00	.00
GROCERIES AND RELATED	1.73	1.29	.66	.54	1.74	1.56	1.45	1.29	.00	.00
ELECTRIC HARDWARE AND PLUMBING	1.66	1.58	1.10	1.06	1.14	.95	1.75	1.92	.00	.00
MACHINERY AND EQUIPMENT	1.92	2.72	1.14	1.10	2.75	3.91	1.08	1.24	.00	.00
MISCELLANEOUS WHOLESALE TRADE	5.13	4.70	2.11	2.06	5.02	5.22	3.96	3.99	.00	.00
RETAIL TRADE	12.11	11.20	16.05	17.27	14.52	14.72	27.70	29.17	.00	.00
LUMBER BUILDING AND FARM EQUIP	.61	.39	.79	.62	.85	.72	4.32	3.61	.00	.00
GENERAL MERCHANDISING	4.55	4.23	4.49	4.97	4.11	3.25	2.68	2.35	.00	.00
LIMITED PRICE STORES	.15	.12	.48	.47	.75	.49	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	4.40	4.11	4.01	4.50	3.35	2.76	2.68	2.35	.00	.00
FOOD AND DAIRY STORES	2.00	2.34	4.97	5.75	1.88	2.10	1.45	1.61	.00	.00
AUTO DEALERS AND GAS STATIONS	1.26	1.19	1.19	1.27	2.22	2.40	6.90	8.24	.00	.00
AUTO AND ACCESSORY DEALERS	1.11	.99	.98	1.03	2.03	2.10	5.28	6.15	.00	.00
GAS STATIONS	.16	.20	.21	.24	.20	.30	1.62	2.09	.00	.00
APPAREL AND ACCESSORIES	1.34	1.05	1.02	.91	1.33	1.29	2.05	1.94	.00	.00
FURNITURE AND APPLIANCES	.49	.39	.71	.70	.88	1.04	3.39	3.53	.00	.00
EATING AND DRINKING PLACES	.48	.52	1.18	1.31	1.42	1.84	1.06	1.43	.00	.00
MISCELLANEOUS RETAIL STORES	1.39	1.09	1.69	1.74	1.83	2.07	5.86	6.46	.00	.00
DRUG STORES	.19	.23	.51	.63	.23	.35	1.20	1.56	.00	.00
OTHER RETAIL STORES	1.20	.83	1.18	1.11	1.59	1.72	4.66	4.90	.00	.00
FINANCE INSURANCE AND REAL ESTATE	22.70	19.45	12.54	10.70	11.18	8.02	21.85	17.71	100.00	100.00
FINANCE	14.79	12.07	7.57	6.61	4.16	2.77	18.63	14.37	100.00	100.00
BANKS AND CREDIT AGENCIES	13.41	10.83	6.93	6.16	3.57	2.34	17.87	13.74	100.00	100.00
SECURITY AND INVESTMENT SERVICE	1.38	1.23	.65	.45	.59	.43	.76	.63	.00	.00
INSURANCE	7.56	7.04	4.03	3.16	6.38	4.58	.89	.82	.00	.00
REAL ESTATE	.35	.34	.94	.93	.63	.67	2.33	2.52	.00	.00
SERVICES	9.32	14.19	18.91	24.03	12.93	16.90	20.52	22.54	.00	.00
HOTELS AND OTHER LODGING PLACES	.79	.93	1.08	1.24	1.58	2.12	.05	.08	.00	.00
OTHER PERSONAL SERVICES	.68	.74	1.14	1.38	1.25	1.74	.73	.85	.00	.00
LAUNDRY CLEANERS AND VALET	.66	.67	.92	1.07	.67	.75	.64	.71	.00	.00
ALL OTHER PERSONAL SERVICES	.02	.06	.22	.31	.58	.99	.09	.14	.00	.00
MISCELLANEOUS BUSINESS SERVICE	2.34	5.37	3.03	4.77	1.97	3.16	2.33	3.83	.00	.00
ADVERTISING	.18	.20	.26	.23	.25	.24	.25	.28	.00	.00
OTHER MISC BUSINESS SERVICES	2.16	5.17	2.77	4.54	1.71	2.92	2.08	3.55	.00	.00
AUTO REPAIR SERVICES	.22	.20	.26	.35	.40	.46	1.29	1.78	.00	.00
OTHER REPAIR SERVICE	.04	.03	.14	.13	.03	.04	.61	.58	.00	.00
MOTION PICTURES AND THEATRES	.55	.51	.43	.39	.69	.89	.13	.16	.00	.00
MISC ENTERTAINMENT AND RECREATION	.06	.14	.40	.56	.17	.28	.66	1.11	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	1.18	1.57	5.68	5.79	2.60	2.50	3.49	3.40	.00	.00
HOSPITALS	.80	.99	2.43	2.25	2.19	2.02	1.53	1.40	.00	.00
OTHER MEDICAL AND HEALTH	.39	.59	3.25	3.54	.40	.47	1.96	2.00	.00	.00
LEGAL SERVICES	.03	.02	.24	.26	.11	.17	.53	.62	.00	.00
EDUCATIONAL SERVICES	1.76	2.72	3.87	6.83	2.63	3.99	1.36	2.06	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.78	.84	1.62	1.41	.65	.70	3.30	3.23	.00	.00
WELFARE AND RELIGIOUS ORGANS	.40	.46	.88	.83	.41	.48	1.94	2.09	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.37	.38	.74	.58	.24	.22	1.35	1.15	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.01	.02	.00	.00	.01	.02	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.90	1.12	1.02	.91	.85	.87	6.04	4.82	.00	.00
ENGINEERING AND ARCHITECT SERV	.13	.27	.12	.19	.18	.20	.10	.11	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.27	.31	.71	.51	.46	.43	5.83	4.59	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.50	.54	.19	.22	.22	.25	.11	.13	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	8.90	9.15	14.50	13.74	10.99	11.61	.00	.00	.00	.00
FEDERAL PUBLIC ADMINISTRATION	4.19	3.33	10.69	9.88	5.42	4.75	.00	.00	.00	.00
POSTAL SERVICE	.07	.15	5.93	6.03	.81	.73	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	4.12	3.18	4.75	3.85	4.61	4.02	.00	.00	.00	.00
STATE PUBLIC ADMINISTRATION	3.03	3.73	1.57	1.45	1.97	2.31	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	1.68	2.09	2.24	2.41	3.60	4.55	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CASHIERS		MAIL CARRIERS		POSTAL CLERKS		SHIPPING AND RECEIVING CLERKS		TELEPHONE OPERATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.02	.01	.00	.00	.00	.00	.05	.04	.01	.01
AGRICULTURE	.02	.01	.00	.00	.00	.00	.05	.04	.01	.01
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.01	.00	.00	.00	.00	.00	.23	.24	.17	.13
METAL MINING	.00	.00	.00	.00	.00	.00	.02	.01	.04	.04
COAL MINING	.01	.00	.00	.00	.00	.00	.05	.03	.01	.01
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.05	.06	.11	.07
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.11	.13	.01	.01
CONSTRUCTION	.06	.05	.00	.00	.00	.00	.21	.08	.41	.46
TOTAL MANUFACTURING	1.47	1.06	.00	.00	.00	.00	58.40	59.05	6.81	7.08
DURABLE GOODS MANUFACTURING	.58	.42	.00	.00	.00	.00	30.71	31.06	3.40	3.52
LUMBER AND WOOD PRODUCTS	.01	.01	.00	.00	.00	.00	.86	.88	.04	.03
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.01	.01	.00	.00	.00	.00	.86	.87	.04	.03
FURNITURE AND FIXTURES	.01	.01	.00	.00	.00	.00	2.12	2.72	.07	.10
STONE CLAY AND GLASS PRODUCTS	.04	.03	.00	.00	.00	.00	1.56	1.45	.21	.27
GLASS AND GLASS PRODUCTS	.02	.02	.00	.00	.00	.00	.54	.52	.07	.06
CEMENT CONCRETE AND PLASTER	.01	.01	.00	.00	.00	.00	.18	.23	.08	.13
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.10	.08	.02	.02
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.29	.26	.02	.02
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.45	.36	.07	.03
PRIMARY METAL INDUSTRIES	.07	.06	.00	.00	.00	.00	3.56	3.11	.4	.46
BLAST FURNACE AND STEEL WORKS	.03	.02	.00	.00	.00	.00	1.13	.92	.12	.09
OTHER PRIMARY METAL IND	.02	.01	.00	.00	.00	.00	1.06	1.01	.17	.19
PRIMARY NONFERROUS METAL	.02	.02	.00	.00	.00	.00	1.37	1.18	.18	.18
FABRICATED METAL PRODUCTS NEC	.08	.07	.00	.00	.00	.00	5.98	6.12	.52	.63
MACHINERY EXCEPT ELECTRICAL	.09	.03	.00	.00	.00	.00	5.28	5.21	.53	.55
FARM MACHINERY AND EQUIPMENT	.01	.00	.00	.00	.00	.00	.46	.60	.03	.04
OFFICE MACHINERY	.03	.03	.00	.00	.00	.00	.38	.30	.08	.09
MISCELLANEOUS MACHINERY	.05	.00	.00	.00	.00	.00	4.44	4.32	.41	.43
ELECTRICAL MACHINERY	.14	.11	.00	.00	.00	.00	5.20	5.96	.74	.82
TRANSPORTATION EQUIPMENT	.12	.09	.00	.00	.00	.00	2.73	2.27	.48	.34
MOTOR VEHICLES AND EQUIPMENT	.06	.04	.00	.00	.00	.00	1.24	1.10	.19	.12
AIR CRAFT AND ENGINES	.03	.02	.00	.00	.00	.00	.91	.58	.16	.10
SHIP AND BOATBUILDING AND REP	.02	.01	.00	.00	.00	.00	.18	.20	.10	.09
RR AND OTHER TRANSPORT EQUIP	.01	.01	.00	.00	.00	.00	.41	.38	.03	.03
PROF SCIENTIFIC INSTRUMENTS	.02	.02	.00	.00	.00	.00	1.25	1.20	.19	.17
INSTRUMENTS EXCEPT CLOCKS	.02	.01	.00	.00	.00	.00	1.25	1.20	.17	.15
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02
MISCELLANEOUS MANUFACTURING	.01	.00	.00	.00	.00	.00	2.16	2.12	.16	.17
NONDURABLE GOODS MANUFACTURING	.90	.64	.00	.00	.00	.00	27.69	27.99	3.41	3.55
FOOD AND KINDRED PRODUCTS	.53	.39	.00	.00	.00	.00	5.49	4.29	.54	.59
MEAT PRODUCTS	.04	.02	.00	.00	.00	.00	1.27	.91	.08	.07
DAIRY PRODUCTS	.10	.08	.00	.00	.00	.00	.52	.41	.10	.12
CANNING PRESERVES + FREEZING	.01	.01	.00	.00	.00	.00	.61	.44	.07	.08
GRAIN MILL PRODUCTS	.02	.00	.00	.00	.00	.00	.25	.18	.04	.04
BAKERY PRODUCTS	.21	.16	.00	.00	.00	.00	1.32	1.11	.04	.05
BEVERAGE INDUSTRIES	.06	.04	.00	.00	.00	.00	.42	.20	.09	.11
OTHER FOOD PRODUCTS	.10	.07	.00	.00	.00	.00	1.11	1.03	.12	.12
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.14	.08	.01	.00
TEXTILE MILL PRODUCTS	.01	.01	.00	.00	.00	.00	2.81	2.45	.22	.25
APPAREL AND ACCESSORIES	.04	.04	.00	.00	.00	.00	4.76	5.00	.29	.49
PAPER AND ALLIED PRODUCTS	.02	.02	.00	.00	.00	.00	2.91	2.62	.40	.48
PULP PAPER AND BOARD MILLS	.01	.00	.00	.00	.00	.00	.83	.62	.14	.16
PAPERBOARD CONTAINERS + BOXES	.01	.00	.00	.00	.00	.00	1.14	1.05	.14	.15
ALL OTHER PAPER PRODUCTS	.01	.01	.00	.00	.00	.00	.95	.95	.13	.18
PRINTING AND PUBLISHING	.14	.09	.00	.00	.00	.00	2.95	3.94	.96	.96
CHEMICALS AND ALLIED PRODUCTS	.08	.05	.00	.00	.00	.00	3.89	3.64	.61	.44
SYNTHETIC FIBERS	.01	.00	.00	.00	.00	.00	.11	.09	.04	.04
DRUGS AND MEDICINE	.01	.01	.00	.00	.00	.00	.74	.78	.07	.07
PAINTS AND VARNISHES AND REL	.01	.01	.00	.00	.00	.00	.64	.56	.08	.08
OTHER CHEMICALS	.05	.03	.00	.00	.00	.00	2.40	2.21	.42	.26
PETROLEUM REFIN AND COAL PROD	.03	.01	.00	.00	.00	.00	.27	.23	.14	.08
PETROLEUM REFINING	.02	.01	.00	.00	.00	.00	.09	.05	.13	.07
OTHER PETROL AND COAL PRODUCT	.00	.01	.00	.00	.00	.00	.18	.18	.02	.01
RUBBER AND MISC PLASTIC PRODUCT	.04	.02	.00	.00	.00	.00	3.15	4.42	.14	.16
RUBBER PRODUCTS	.04	.02	.00	.00	.00	.00	1.23	.92	.09	.09
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	1.92	3.50	.06	.07
LEATHER PRODUCTS	.01	.02	.00	.00	.00	.00	1.33	1.32	.09	.09
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.09	.03	.02	.01
FOOTWEAR EXCEPT RUBBER	.01	.02	.00	.00	.00	.00	.82	.89	.04	.04
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.42	.41	.03	.03

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CASHIERS		MAIL CARRIERS		POSTAL CLERKS		SHIPPING AND RECEIVING CLERKS		TELEPHONE OPERATORS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	4.76	3.99	.00	.00	.00	1.13	3.22	3.20	59.67	47.18
TRANSPORTATION	2.72	2.58	.00	.00	.00	1.13	2.96	2.97	1.74	1.76
RAILROADS	.28	.17	.00	.00	.00	.00	.38	.28	.40	.25
LOCAL AND INTERURBAN PASSENGER	.31	.23	.00	.00	.00	.00	.16	.14	.38	.29
LOCAL + INTERURBAN EXC TAXIS	.31	.23	.00	.00	.00	.00	.06	.06	.04	.02
TAXIS	.00	.00	.00	.00	.00	.00	.10	.09	.34	.27
TRUCKING AND WAREHOUSING	.56	.48	.00	.00	.00	.00	1.12	1.03	.50	.59
TRUCKING	.55	.47	.00	.00	.00	.00	.67	.66	.47	.57
WAREHOUSING	.01	.00	.00	.00	.00	.00	.46	.37	.03	.02
WATER TRANSPORTATION	.05	.03	.00	.00	.00	1.13	.58	.68	.08	.05
AIR TRANSPORTATION	.06	.07	.00	.00	.00	.00	.18	.16	.25	.33
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
TRANSPORTATION SERVICES	1.45	1.59	.00	.00	.00	.00	.52	.67	.12	.25
COMMUNICATIONS + PUBLIC UTILITIES	2.03	1.41	.00	.00	.00	.00	.26	.23	57.93	45.43
COMMUNICATIONS	.93	.57	.00	.00	.00	.00	.12	.11	57.21	45.03
TELEPHONE	.87	.54	.00	.00	.00	.00	.12	.11	56.39	44.64
TELEGRAPH	.06	.03	.00	.00	.00	.00	.00	.00	.66	.25
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.16	.14
PUBLIC UTILITIES	1.11	.85	.00	.00	.00	.00	.14	.11	.72	.40
ELECTRIC GAS AND STEAM	.94	.66	.00	.00	.00	.00	.13	.11	.66	.36
WATER AND IRRIGATION	.16	.17	.00	.00	.00	.00	.01	.00	.03	.01
SANITARY SERVICES	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02
WHOLESALE AND RETAIL TRADE	74.33	77.52	.00	.00	.00	.00	33.20	31.43	7.12	9.74
WHOLESALE TRADE	.99	.70	.00	.00	.00	.00	20.75	18.69	2.59	3.47
MOTOR VEHICLES AND EQUIPMENT	.03	.02	.00	.00	.00	.00	2.43	2.06	.21	.25
DRUGS AND CHEMICALS	.08	.06	.00	.00	.00	.00	1.76	1.58	.17	.13
DRY GOODS AND APPAREL	.03	.03	.00	.00	.00	.00	1.76	1.84	.09	.10
GROCERIES AND RELATED	.23	.17	.00	.00	.00	.00	1.87	1.38	.22	.27
ELECTRIC HARDWARE AND PLUMBING	.14	.08	.00	.00	.00	.00	4.63	4.36	.50	.66
MACHINERY AND EQUIPMENT	.13	.10	.00	.00	.00	.00	3.61	3.36	.56	.86
MISCELLANEOUS WHOLESALE TRADE	.35	.23	.00	.00	.00	.00	4.70	4.13	.85	1.19
RETAIL TRADE	73.34	76.82	.00	.00	.00	.00	12.46	12.75	4.53	6.28
LUMBER BUILDING AND FARM EQUIP	.30	.29	.00	.00	.00	.00	.81	.66	.13	.13
GENERAL MERCHANDISING	11.25	12.54	.00	.00	.00	.00	6.49	6.81	2.69	4.09
LIMITED PRICE STORES	2.27	2.18	.00	.00	.00	.00	.36	.39	.02	.02
OTHER GENERAL MERCHANDISING	8.98	10.36	.00	.00	.00	.00	6.13	6.42	2.67	4.07
FOOD AND DAIRY STORES	44.01	46.89	.00	.00	.00	.00	1.09	1.33	.11	.13
AUTO DEALERS AND GAS STATIONS	.63	.61	.00	.00	.00	.00	.44	.49	.56	.68
AUTO AND ACCESSORY DEALERS	.48	.47	.00	.00	.00	.00	.43	.49	.54	.65
GAS STATIONS	.15	.13	.00	.00	.00	.00	.00	.00	.02	.02
APPAREL AND ACCESSORIES	3.62	2.64	.00	.00	.00	.00	1.19	.96	.40	.53
FURNITURE AND APPLIANCES	.25	.23	.00	.00	.00	.00	.77	.79	.25	.37
EATING AND DRINKING PLACES	9.88	10.14	.00	.00	.00	.00	.18	.34	.19	.21
MISCELLANEOUS RETAIL STORES	3.39	3.47	.00	.00	.00	.00	1.50	1.38	.21	.13
DRUG STORES	2.54	2.69	.00	.00	.00	.00	.16	.17	.04	.04
OTHER RETAIL STORES	.86	.79	.00	.00	.00	.00	1.33	1.21	.17	.09
FINANCE INSURANCE AND REAL ESTATE	6.28	5.05	.00	.00	.00	.00	.52	.53	4.20	4.54
FINANCE	4.84	4.31	.00	.00	.00	.00	.27	.25	2.62	3.13
BANKS AND CREDIT AGENCIES	4.17	3.97	.00	.00	.00	.00	.16	.14	1.94	2.45
SECURITY AND INVESTMENT SERVICE	.67	.34	.00	.00	.00	.00	.12	.11	.68	.67
INSURANCE	1.25	.61	.00	.00	.00	.00	.24	.28	1.07	.97
REAL ESTATE	.19	.13	.00	.00	.00	.00	.00	.00	.51	.45
SERVICES	11.85	11.24	.00	.00	.00	.00	3.26	4.49	18.76	27.53
HOTELS AND OTHER LODGING PLACES	1.59	1.48	.00	.00	.00	.00	.11	.11	3.04	4.74
OTHER PERSONAL SERVICES	.73	.83	.00	.00	.00	.00	.59	.61	.20	.29
LAUNDRY CLEANERS AND VALET	.59	.65	.00	.00	.00	.00	.50	.45	.12	.11
ALL OTHER PERSONAL SERVICES	.14	.18	.00	.00	.00	.00	.09	.16	.09	.18
MISCELLANEOUS BUSINESS SERVICE	.26	.22	.00	.00	.00	.00	1.12	2.06	4.16	7.12
ADVERTISING	.01	.01	.00	.00	.00	.00	.08	.08	.13	.14
OTHER MISC BUSINESS SERVICES	.25	.21	.00	.00	.00	.00	1.03	1.98	4.03	6.98
AUTO REPAIR SERVICES	.24	.28	.00	.00	.00	.00	.07	.15	.02	.02
OTHER REPAIR SERVICE	.02	.02	.00	.00	.00	.00	.10	.13	.02	.03
MOTION PICTURES AND THEATRES	2.94	2.27	.00	.00	.00	.00	.21	.22	.09	.10
MISC ENTERTAINMENT AND RECREATION	1.57	1.83	.00	.00	.00	.00	.03	.05	.27	.57
MEDICAL AND OTHER HEALTH SERVICES	1.32	1.02	.00	.00	.00	.00	.43	.54	5.76	6.34
HOSPITALS	1.26	.99	.00	.00	.00	.00	.37	.49	5.44	6.10
OTHER MEDICAL AND HEALTH	.06	.04	.00	.00	.00	.00	.06	.05	.33	.24
LEGAL SERVICES	.01	.00	.00	.00	.00	.00	.00	.00	.21	.21
EDUCATIONAL SERVICES	2.58	2.82	.00	.00	.00	.00	.25	.24	3.52	6.46
NONPROFIT MEMBER ORGANIZATIONS	.56	.43	.00	.00	.00	.00	.29	.28	1.15	1.28
WELFARE AND RELIGIOUS ORGANS	.25	.24	.00	.00	.00	.00	.20	.19	.73	.86
OTHER NONPROFIT ORGANIZATIONS	.31	.19	.00	.00	.00	.00	.10	.08	.42	.42
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.04	.04	.00	.00	.00	.00	.07	.09	.32	.37
ENGINEERING AND ARCHITECT SERV	.01	.01	.00	.00	.00	.00	.02	.03	.06	.00
ACCOUNTING AND BOOKKEEPING SERV	.01	.01	.00	.00	.00	.00	.00	.00	.11	.15
ALL OTHER PROFESSIONAL SERVICES	.02	.02	.00	.00	.00	.00	.05	.06	.15	.21
GOVERNMENT PUBLIC ADMINISTRATION	1.22	1.06	100.00	100.00	100.00	98.87	.91	.94	2.86	3.33
FEDERAL PUBLIC ADMINISTRATION	.33	.23	100.00	100.00	100.00	98.87	.77	.76	1.18	1.23
POSTAL SERVICE	.00	.00	100.00	100.00	100.00	98.87	.00	.00	.05	.02
OTHER FEDERAL PUBLIC ADMIN	.33	.23	.00	.00	.00	.00	.77	.76	1.13	1.21
STATE PUBLIC ADMINISTRATION	.31	.22	.00	.00	.00	.00	.09	.12	.53	.58
LOCAL PUBLIC ADMINISTRATION	.59	.61	.00	.00	.00	.00	.05	.05	1.15	1.52

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CLERICAL AND KINDRED,NEC		SALES WORKERS		CRAFTSMEN,FOREMEN AND KINDRED		CONSTRUCTION CRAFTSMEN		CARPENTERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.24	.34	.20	.28	.33	.35	.29	.31	.50	.51
AGRICULTURE	.18	.26	.19	.26	.27	.29	.25	.26	.46	.47
FORESTRY	.05	.06	.00	.00	.04	.05	.02	.04	.02	.02
FISHERIES	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01
MINING	.58	.43	.07	.06	1.71	1.26	1.58	1.42	.33	.20
METAL MINING	.07	.04	.00	.00	.32	.25	.34	.31	.11	.07
COAL MINING	.07	.04	.01	.01	.43	.27	.57	.39	.08	.03
CRUDE PETROLEUM AND NATURAL GAS	.34	.24	.03	.03	.61	.38	.13	.13	.04	.03
NONMETALLIC MINING AND QUARRYING	.10	.10	.02	.02	.35	.36	.54	.59	.10	.08
CONSTRUCTION	1.58	1.99	.29	.35	23.07	25.41	70.52	69.73	78.31	76.74
TOTAL MANUFACTURING	21.54	19.16	10.58	11.30	36.80	34.55	12.68	12.74	8.67	8.80
DURABLE GOODS MANUFACTURING	12.60	10.60	4.11	4.47	24.92	23.91	9.72	9.91	7.20	7.66
LUMBER AND WOOD PRODUCTS	.30	.26	.16	.19	.81	.84	.49	.57	1.04	1.27
LOGGING CAMPS AND CONTRACTORS	.02	.02	.02	.01	.07	.07	.06	.07	.01	.01
SAWMILLS MILLWORK + MISC WOOD	.28	.25	.14	.18	.73	.78	.43	.51	1.03	1.27
FURNITURE AND FIXTURES	.31	.36	.27	.36	.93	1.03	.37	.59	1.11	1.91
STONE CLAY AND GLASS PRODUCTS	.57	.59	.36	.52	.96	1.03	.55	.54	.26	.27
GLASS AND GLASS PRODUCTS	.16	.14	.06	.06	.25	.29	.08	.08	.07	.07
CEMENT CONCRETE AND PLASTER	.17	.22	.15	.29	.36	.41	.29	.28	.14	.16
STRUCTURAL CLAY PRODUCTS	.04	.04	.04	.05	.07	.07	.06	.06	.01	.01
POTTERY AND RELATED PRODUCTS	.04	.03	.01	.01	.05	.03	.02	.01	.00	.00
MISC NONMETALLIC AND STONE	.16	.16	.10	.11	.24	.23	.10	.11	.04	.03
PRIMARY METAL INDUSTRIES	1.51	1.24	.39	.42	3.65	3.20	1.64	1.51	.51	.40
BLAST FURNACE AND STEEL WORKS	.76	.59	.10	.11	1.73	1.42	.99	.86	.29	.22
OTHER PRIMARY METAL IND	.35	.29	.10	.10	1.06	1.01	.29	.28	.08	.07
PRIMARY NONFERROUS METAL	.40	.36	.19	.21	.86	.77	.37	.36	.15	.12
FABRICATED METAL PRODUCTS NEC	1.82	1.60	.60	.64	3.91	3.61	1.13	1.05	.42	.37
MACHINERY EXCEPT ELECTRICAL	2.38	1.98	.91	.85	5.08	5.00	.70	.73	.34	.20
FARM MACHINERY AND EQUIPMENT	.15	.13	.05	.06	.28	.33	.05	.06	.02	.02
OFFICE MACHINERY	.47	.42	.27	.24	.40	.35	.03	.03	.02	.02
MISCELLANEOUS MACHINERY	1.76	1.42	.58	.55	4.39	4.32	.61	.64	.30	.16
ELECTRICAL MACHINERY	2.04	1.70	.57	.64	3.03	3.06	.71	.71	.26	.24
TRANSPORTATION EQUIPMENT	2.40	1.63	.23	.20	4.98	4.67	3.77	3.81	3.00	2.73
MOTOR VEHICLES AND EQUIPMENT	.84	.48	.12	.09	1.62	1.40	.44	.42	.16	.16
AIR CRAFT AND ENGINES	1.11	.77	.06	.06	1.63	1.57	.58	.63	.14	.07
SHIP AND BOATBUILDING AND REP	.33	.27	.02	.02	1.31	1.35	2.37	2.46	2.16	2.07
RR AND OTHER TRANSPORT EQUIP	.13	.10	.03	.03	.42	.34	.38	.29	.54	.43
PROF SCIENTIFIC INSTRUMENTS	.75	.68	.21	.19	.88	.80	.18	.20	.07	.07
INSTRUMENTS EXCEPT CLOCKS	.71	.65	.20	.17	.81	.74	.17	.19	.06	.06
WATCHES AND CLOCK DEVICES	.04	.03	.01	.02	.06	.07	.01	.01	.00	.00
MISCELLANEOUS MANUFACTURING	.51	.56	.40	.46	.69	.66	.19	.20	.17	.18
NONDURABLE GOODS MANUFACTURING	8.94	8.56	6.47	6.83	11.88	10.64	2.95	2.83	1.48	1.15
FOOD AND KINDRED PRODUCTS	1.65	1.54	1.70	1.61	2.52	2.00	.49	.42	.36	.27
MEAT PRODUCTS	.26	.26	.22	.23	.27	.21	.08	.07	.06	.05
DAIRY PRODUCTS	.30	.30	.26	.22	.21	.14	.02	.01	.02	.01
CANNING PRESERVES + FREEZING	.26	.24	.12	.15	.32	.28	.09	.09	.07	.06
GRAIN MILL PRODUCTS	.12	.09	.13	.11	.23	.17	.06	.05	.02	.02
BAKERY PRODUCTS	.21	.17	.39	.35	.80	.61	.02	.03	.02	.02
BEVERAGE INDUSTRIES	.23	.24	.35	.34	.33	.29	.08	.07	.07	.05
OTHER FOOD PRODUCTS	.28	.26	.23	.22	.35	.30	.13	.11	.10	.07
TOBACCO MANUFACTURING	.07	.06	.06	.07	.10	.09	.03	.02	.03	.02
TEXTILE MILL PRODUCTS	.69	.70	.19	.24	1.08	.84	.20	.16	.17	.11
APPAREL AND ACCESSORIES	.86	1.00	.54	.70	.63	.71	.04	.06	.04	.05
PAPER AND ALLIED PRODUCTS	.77	.78	.37	.50	1.19	1.26	.52	.53	.21	.20
PULP PAPER AND BOARD MILLS	.28	.24	.09	.12	.57	.59	.38	.38	.14	.14
PAPERBOARD CONTAINERS + BOXES	.23	.22	.13	.14	.33	.33	.06	.05	.02	.01
ALL OTHER PAPER PRODUCTS	.27	.33	.14	.24	.29	.34	.08	.10	.04	.05
PRINTING AND PUBLISHING	2.53	2.45	2.60	2.66	3.27	2.76	.11	.10	.05	.03
CHEMICALS AND ALLIED PRODUCTS	1.19	.90	.63	.67	1.69	1.62	1.03	1.05	.38	.28
SYNTHETIC FIBERS	.07	.07	.01	.02	.25	.25	.13	.12	.07	.05
DRUGS AND MEDICINE	.20	.11	.09	.15	.13	.16	.07	.11	.02	.02
PAINTS AND VARNISHES AND REL	.08	.07	.09	.10	.06	.05	.02	.02	.01	.01
OTHER CHEMICALS	.84	.65	.43	.41	1.25	1.17	.81	.80	.28	.20
PETROLEUM REFIN AND COAL PROD	.30	.17	.08	.06	.38	.25	.31	.26	.13	.08
PETROLEUM REFINING	.24	.11	.05	.03	.32	.20	.26	.21	.12	.07
OTHER PETROL AND COAL PRODUCT	.06	.05	.03	.02	.06	.06	.04	.05	.01	.01
RUBBER AND MISC PLASTIC PRODUCT	.56	.64	.21	.24	.79	.90	.22	.22	.09	.09
RUBBER PRODUCTS	.31	.30	.11	.12	.36	.32	.13	.12	.04	.03
MISCELLANEOUS PLASTIC PRODUCT	.25	.34	.10	.12	.43	.58	.08	.10	.06	.05
LEATHER PRODUCTS	.30	.33	.09	.09	.23	.22	.02	.02	.03	.02
LEATHER TANNING AND FINISHING	.02	.01	.01	.01	.03	.03	.01	.01	.01	.01
FOOTWEAR EXCEPT RUBBER	.23	.24	.06	.06	.15	.15	.01	.01	.01	.01
ALL OTHER LEATHER PRODUCTS	.05	.07	.02	.02	.05	.05	.00	.00	.01	.01

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CLERICAL AND KINDRED,NEC		SALES WORKERS		CRAFTSMEN,FOREMEN AND KINDRED		CONSTRUCTION CRAFTSMEN		CARPENTERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	11.96	10.16	1.02	1.12	10.64	9.86	3.14	2.92	1.27	.92
TRANSPORTATION	6.67	6.05	.50	.58	4.39	3.70	1.47	1.23	1.01	.70
RAILROADS	1.62	.86	.03	.02	1.91	1.29	.85	.59	.57	.25
LOCAL AND INTERURBAN PASSENGER	.59	.45	.01	.01	.44	.34	.13	.11	.07	.06
LOCAL + INTERURBAN EXC TAXIS	.41	.31	.01	.01	.40	.32	.12	.11	.07	.06
TAXIS	.18	.13	.00	.00	.04	.02	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	2.05	2.05	.32	.37	.89	.84	.12	.13	.11	.10
TRUCKING	1.86	1.88	.28	.33	.81	.78	.10	.11	.07	.07
WAREHOUSING	.19	.17	.04	.04	.07	.06	.02	.02	.04	.03
WATER TRANSPORTATION	.38	.42	.02	.03	.15	.16	.13	.13	.19	.22
AIR TRANSPORTATION	1.41	1.57	.04	.04	.86	.98	.17	.20	.04	.04
PIPELINES	.02	.02	.00	.00	.07	.04	.02	.02	.00	.00
TRANSPORTATION SERVICES	.59	.68	.08	.11	.07	.07	.04	.04	.03	.03
COMMUNICATIONS + PUBLIC UTILITIES	5.29	4.12	.52	.54	6.25	6.16	1.68	1.69	.26	.22
COMMUNICATIONS	3.24	2.33	.36	.40	2.82	3.10	.06	.06	.04	.04
TELEPHONE	2.81	2.08	.20	.24	2.68	2.98	.02	.02	.02	.01
TELEGRAPH	.31	.15	.02	.01	.09	.07	.00	.00	.00	.00
RADIO AND TV	.12	.11	.14	.14	.05	.05	.03	.04	.02	.03
PUBLIC UTILITIES	2.05	1.78	.16	.14	3.43	3.06	1.62	1.64	.22	.18
ELECTRIC GAS AND STEAM	1.66	1.23	.15	.13	2.72	2.16	1.30	1.18	.17	.12
WATER AND IRRIGATION	.32	.47	.00	.00	.45	.60	.19	.30	.03	.04
SANITARY SERVICES	.08	.09	.01	.01	.27	.30	.12	.15	.02	.02
WHOLESALE AND RETAIL TRADE	15.98	16.68	70.93	68.00	11.80	12.54	2.68	2.71	3.41	3.61
WHOLESALE TRADE	6.58	6.42	15.63	15.52	2.82	3.27	.56	.58	.56	.70
MOTOR VEHICLES AND EQUIPMENT	.68	.72	1.77	1.75	.20	.21	.02	.01	.00	.00
DRUGS AND CHEMICALS	.67	.69	1.14	1.12	.06	.06	.01	.01	.02	.03
DRY GOODS AND APPAREL	.31	.29	.88	.92	.04	.04	.00	.00	.00	.00
GROCERIES AND RELATED	.57	.47	1.70	1.45	.20	.18	.02	.02	.03	.02
ELECTRIC HARDWARE AND PLUMBING	1.11	1.09	2.51	2.76	.29	.29	.13	.11	.04	.04
MACHINERY AND EQUIPMENT	1.19	1.07	3.61	3.69	1.21	1.58	.13	.13	.07	.06
MISCELLANEOUS WHOLESALE TRADE	2.05	2.08	4.03	3.83	.83	.91	.25	.29	.40	.55
RETAIL TRADE	9.39	10.26	55.29	52.47	8.97	9.27	2.12	2.13	2.85	2.91
LUMBER BUILDING AND FARM EQUIP	.48	.38	2.39	1.64	1.01	.88	1.13	1.04	1.41	1.26
GENERAL MERCHANDISING	4.41	4.94	20.89	21.70	1.02	1.05	.31	.36	.49	.62
LIMITED PRICE STORES	.38	.37	3.29	2.72	.06	.05	.02	.02	.04	.04
OTHER GENERAL MERCHANDISING	4.03	4.57	17.60	18.98	.96	1.00	.28	.34	.44	.58
FOOD AND DAIRY STORES	1.37	1.75	8.18	6.40	.36	.35	.09	.10	.14	.15
AUTO DEALERS AND GAS STATIONS	.60	.64	4.31	4.26	4.06	4.66	.06	.07	.15	.16
AUTO AND ACCESSORY DEALERS	.53	.57	4.21	4.19	3.29	3.78	.04	.05	.12	.13
GAS STATIONS	.07	.07	.10	.07	.77	.88	.02	.02	.04	.03
APPAREL AND ACCESSORIES	.64	.64	6.62	5.80	.26	.17	.02	.02	.02	.02
FURNITURE AND APPLIANCES	.49	.49	2.68	2.45	1.02	.98	.32	.35	.38	.46
EATING AND DRINKING PLACES	.22	.22	.67	.78	.25	.30	.10	.10	.16	.14
MISCELLANEOUS RETAIL STORES	1.17	1.20	9.56	9.45	.98	.88	.10	.09	.11	.10
DRUG STORES	.27	.37	2.83	3.07	.03	.03	.01	.01	.03	.03
OTHER RETAIL STORES	.90	.83	6.73	6.38	.95	.85	.09	.08	.09	.06
FINANCE INSURANCE AND REAL ESTATE	11.39	8.74	14.21	15.16	.66	.59	.76	.84	.87	1.02
FINANCE	4.63	3.13	1.00	1.07	.14	.14	.05	.05	.05	.05
BANKS AND CREDIT AGENCIES	3.88	2.61	.16	.20	.12	.12	.04	.05	.05	.05
SECURITY AND INVESTMENT SERVICE	.75	.52	.85	.87	.02	.02	.00	.00	.00	.00
INSURANCE	5.69	4.52	8.34	9.25	.11	.08	.04	.04	.05	.05
REAL ESTATE	1.08	1.08	4.87	4.84	.40	.37	.67	.75	.77	.92
SERVICES	23.70	31.07	2.61	3.65	11.34	11.95	5.43	6.59	5.03	6.98
HOTELS AND OTHER LODGING PLACES	1.17	1.31	.05	.06	.40	.46	.42	.57	.53	.80
OTHER PERSONAL SERVICES	1.51	1.83	.32	.37	.51	.53	.03	.05	.04	.07
LAUNDRY CLEANERS AND VALET	1.24	1.46	.20	.20	.28	.30	.01	.02	.01	.01
ALL OTHER PERSONAL SERVICES	.27	.36	.12	.17	.24	.22	.02	.03	.03	.07
MISCELLANEOUS BUSINESS SERVICE	4.06	6.39	1.22	2.02	1.42	2.28	1.18	1.63	.44	1.26
ADVERTISING	.35	.31	.20	.19	.06	.03	.08	.05	.04	.03
OTHER MISC BUSINESS SERVICES	3.71	6.08	1.02	1.83	1.36	2.24	1.10	1.58	.40	1.23
AUTO REPAIR SERVICES	.16	.24	.10	.10	2.76	2.49	.00	.00	.02	.00
OTHER REPAIR SERVICE	.13	.12	.07	.07	1.89	1.67	.25	.21	.09	.07
MOTION PICTURES AND THEATRES	.18	.18	.16	.15	.27	.23	.14	.14	.07	.06
MISC ENTERTAINMENT AND RECREATION	.29	.43	.11	.18	.29	.46	.29	.52	.67	1.20
MEDICAL AND OTHER HEALTH SERVICES	7.96	8.18	.04	.01	1.07	.96	.96	.89	.76	.61
HOSPITALS	2.98	2.75	.02	.00	.81	.71	.86	.76	.61	.41
OTHER MEDICAL AND HEALTH	4.98	5.43	.01	.00	.26	.25	.11	.13	.15	.20
LEGAL SERVICES	.29	.31	.00	.00	.00	.00	.00	.01	.00	.01
EDUCATIONAL SERVICES	5.29	9.68	.22	.31	1.97	2.05	1.49	1.82	1.61	2.02
NONPROFIT MEMBER ORGANIZATIONS	1.94	1.64	.26	.29	.52	.52	.43	.47	55	.59
WELFARE AND RELIGIOUS ORGANS	1.02	.93	.19	.23	.41	.44	.29	.36	.45	.51
OTHER NONPROFIT ORGANIZATIONS	.92	.71	.06	.05	.11	.08	.13	.11	.10	.08
PRIVATE HOUSEHOLD SERVICES	.02	.02	.00	.00	.05	.05	.11	.11	.20	.20
OTHER PROFESSIONAL AND RELAT SERV	.68	.74	.08	.09	.18	.26	.12	.18	.06	.10
ENGINEERING AND ARCHITECT SERV	.16	.28	.01	.01	.08	.14	.04	.08	.03	.06
ACCOUNTING AND BOOKKEEPING SERV	.26	.17	.01	.01	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.27	.30	.05	.07	.10	.11	.08	.10	.03	.04
GOVERNMENT PUBLIC ADMINISTRATION	13.03	11.44	.09	.09	3.66	3.50	2.92	2.74	1.61	1.21
FEDERAL PUBLIC ADMINISTRATION	7.49	5.94	.04	.04	2.24	1.97	1.89	1.62	1.10	.73
POSTAL SERVICE	.24	.13	.00	.00	.11	.11	.02	.01	.01	.01
OTHER FEDERAL PUBLIC ADMIN	7.24	5.81	.04	.04	2.13	1.85	1.87	1.61	1.09	.73
STATE PUBLIC ADMINISTRATION	2.33	2.12	.03	.03	.47	.48	.24	.23	.16	.15
LOCAL PUBLIC ADMINISTRATION	3.22	3.39	.02	.02	.95	1.05	.80	.88	.35	.32

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	BRICKMASONS AND TILE SETTERS		CEMENT,CONCRETE FINISHERS		ELECTRICIANS		EXCAVATING,GRADING MACHINE OPERATORS		PAINTERS AND PAPERHANGERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.24	.32	.00	.00	.03	.04	.73	.72	.22	.30
AGRICULTURE	.24	.32	.00	.00	.01	.01	.58	.44	.21	.28
FORESTRY	.00	.00	.00	.00	.01	.02	.15	.27	.00	.01
FISHERIES	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01
MINING	.33	.30	.00	.00	2.43	1.77	8.66	8.22	.19	.11
METAL MINING	.05	.04	.00	.00	.63	.47	1.52	1.54	.03	.01
COAL MINING	.16	.10	.00	.00	1.25	.80	2.92	2.06	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.04	.06	.00	.00	.22	.19	.39	.44	.09	.03
NONMETALLIC MINING AND QUARRYING	.08	.11	.00	.00	.33	.31	3.83	4.18	.06	.06
CONSTRUCTION	87.50	86.54	92.30	94.45	43.18	46.19	77.42	74.70	69.23	70.00
TOTAL MANUFACTURING	6.53	6.14	4.09	2.53	30.18	28.67	4.30	4.57	5.32	4.67
DURABLE GOODS MANUFACTURING	5.53	5.20	2.40	1.26	22.49	21.66	3.05	3.21	4.63	4.11
LUMBER AND WOOD PRODUCTS	.02	.03	.34	.15	.29	.25	.90	1.00	.07	.07
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.01	.00	.49	.55	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.02	.03	.34	.15	.28	.25	.41	.45	.07	.07
FURNITURE AND FIXTURES	.00	.00	.00	.00	.11	.07	.02	.02	.07	.04
STONE CLAY AND GLASS PRODUCTS	.90	.81	1.42	.67	1.17	1.15	1.16	1.22	.06	.05
GLASS AND GLASS PRODUCTS	.06	.05	.00	.00	.22	.21	.01	.01	.01	.00
CEMENT CONCRETE AND PLASTER	.20	.15	1.20	.55	.61	.59	.77	.78	.04	.04
STRUCTURAL CLAY PRODUCTS	.36	.42	.14	.10	.03	.02	.11	.10	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.08	.02	.07	.06	.01	.01	.01	.01
MISC NONMETALLIC AND STONE	.28	.19	.00	.00	.24	.28	.26	.33	.00	.00
PRIMARY METAL INDUSTRIES	3.33	2.97	.05	.03	4.61	4.05	.56	.52	.44	.33
BLAST FURNACE AND STEEL WORKS	2.42	2.02	.05	.03	2.62	2.18	.30	.28	.30	.24
OTHER PRIMARY METAL IND	.47	.50	.00	.00	.84	.83	.15	.13	.11	.07
PRIMARY NONFERROUS METAL	.44	.46	.00	.00	1.15	1.04	.11	.11	.03	.02
FABRICATED METAL PRODUCTS NEC	.39	.30	.00	.00	2.05	1.88	.15	.16	1.53	1.40
MACHINERY EXCEPT ELECTRICAL	.24	.37	.15	.11	2.36	2.45	.07	.09	.17	.19
FARM MACHINERY AND EQUIPMENT	.05	.07	.09	.05	.17	.18	.03	.04	.02	.02
OFFICE MACHINERY	.00	.00	.00	.00	.12	.09	.00	.00	.01	.01
MISCELLANEOUS MACHINERY	.19	.31	.06	.06	2.08	2.18	.03	.05	.14	.16
ELECTRICAL MACHINERY	.15	.23	.06	.07	3.11	2.95	.02	.03	.15	.16
TRANSPORTATION EQUIPMENT	.45	.45	.38	.23	7.77	7.65	.14	.14	1.70	1.46
MOTOR VEHICLES AND EQUIPMENT	.12	.11	.12	.14	1.63	1.44	.01	.01	.12	.07
AIR CRAFT AND ENGINES	.02	.04	.00	.00	2.75	2.99	.06	.06	.10	.08
SHIP AND BOATBUILDING AND REP	.13	.13	.26	.09	2.88	2.86	.07	.07	1.29	1.16
RR AND OTHER TRANSPORT EQUIP	.18	.17	.00	.00	.51	.37	.00	.00	.20	.15
PROF SCIENTIFIC INSTRUMENTS	.01	.01	.00	.00	.64	.72	.02	.01	.04	.05
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.00	.00	.62	.70	.02	.01	.04	.05
WATCHES AND CLOCK DEVICES	.01	.01	.00	.00	.02	.02	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.03	.02	.00	.00	.39	.39	.00	.00	.39	.36
NONDURABLE GOODS MANUFACTURING	.99	.94	1.70	1.27	7.68	7.01	1.26	1.36	.69	.56
FOOD AND KINDRED PRODUCTS	.27	.25	.00	.00	1.40	1.19	.19	.14	.16	.13
MEAT PRODUCTS	.03	.03	.00	.00	.20	.15	.02	.01	.01	.01
DAIRY PRODUCTS	.03	.02	.00	.00	.04	.02	.01	.01	.04	.02
CANNING PRESERVES + FREEZING	.04	.04	.00	.00	.32	.29	.04	.03	.02	.02
GRAIN MILL PRODUCTS	.03	.02	.00	.00	.20	.18	.01	.01	.00	.00
BAKERY PRODUCTS	.05	.05	.00	.00	.08	.09	.00	.00	.01	.01
BEVERAGE INDUSTRIES	.02	.02	.00	.00	.24	.22	.00	.00	.07	.07
OTHER FOOD PRODUCTS	.08	.06	.00	.00	.32	.24	.12	.08	.01	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.09	.08	.00	.00	.67	.55	.03	.03	.03	.03
APPAREL AND ACCESSORIES	.00	.04	.00	.00	.07	.10	.03	.07	.02	.01
PAPER AND ALLIED PRODUCTS	.12	.10	.48	.64	1.53	1.38	.22	.25	.07	.06
PULP PAPER AND BOARD MILLS	.11	.07	.00	.00	1.08	.92	.19	.21	.04	.03
PAPERBOARD CONTAINERS + BOXES	.00	.00	.21	.19	.22	.20	.02	.03	.01	.01
ALL OTHER PAPER PRODUCTS	.02	.02	.27	.45	.24	.26	.01	.01	.02	.02
PRINTING AND PUBLISHING	.06	.05	.00	.00	.32	.27	.04	.04	.10	.09
CHEMICALS AND ALLIED PRODUCTS	.31	.32	.80	.43	2.42	2.37	.62	.64	.19	.13
SYNTHETIC FIBERS	.00	.00	.00	.00	.38	.35	.01	.02	.03	.02
DRUGS AND MEDICINE	.03	.04	.00	.00	.23	.33	.01	.02	.03	.03
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.05	.04	.01	.01	.02	.01
OTHER CHEMICALS	.28	.29	.80	.43	1.77	1.64	.58	.59	.11	.07
PETROLEUM REFIN AND COAL PROD	.10	.06	.11	.11	.50	.41	.13	.19	.05	.03
PETROLEUM REFINING	.08	.04	.11	.11	.39	.28	.08	.11	.04	.01
OTHER PETROL AND COAL PRODUCT	.02	.02	.00	.00	.10	.12	.05	.08	.01	.01
RUBBER AND MISC PLASTIC PRODUCT	.04	.06	.31	.09	.63	.62	.00	.00	.06	.07
RUBBER PRODUCTS	.00	.00	.31	.09	.34	.25	.00	.00	.01	.01
MISCELLANEOUS PLASTIC PRODUCT	.04	.06	.00	.00	.29	.37	.00	.00	.04	.06
LEATHER PRODUCTS	.00	.00	.00	.00	.07	.06	.00	.00	.01	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.06	.05	.00	.00	.01	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	BRICKMASONS AND TILE SETTERS		CEMENT,CONCRETE FINISHERS		ELECTRICIANS		EXCAVATING,GRADING MACHINE OPERATORS		PAINTERS AND PAPERHANGERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.33	.40	.74	.81	8.45	7.10	3.16	3.73	1.82	1.55
TRANSPORTATION	.11	.11	.34	.41	4.23	3.61	.86	.86	1.31	1.07
RAILROADS	.04	.02	.00	.00	2.61	2.00	.25	.18	.54	.29
LOCAL AND INTERURBAN PASSENGER	.07	.09	.34	.41	.36	.25	.00	.01	.17	.15
LOCAL + INTERURBAN EXC TAXIS	.07	.09	.34	.41	.36	.25	.00	.01	.15	.13
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.09	.09	.36	.44	.19	.18
TRUCKING	.00	.00	.00	.00	.06	.06	.33	.41	.17	.17
WAREHOUSING	.00	.00	.00	.00	.03	.03	.03	.03	.01	.01
WATER TRANSPORTATION	.00	.00	.00	.00	.22	.20	.13	.13	.12	.11
AIR TRANSPORTATION	.00	.00	.00	.00	.75	.88	.01	.01	.25	.30
PIPELINES	.00	.00	.00	.00	.11	.10	.03	.01	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.09	.10	.08	.08	.04	.04
COMMUNICATIONS + PUBLIC UTILITIES	.21	.29	.39	.40	4.23	3.49	2.30	2.87	.52	.48
COMMUNICATIONS	.02	.02	.00	.00	.21	.21	.00	.01	.06	.06
TELEPHONE	.00	.00	.00	.00	.08	.06	.00	.01	.02	.02
TELEGRAPH	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
RADIO AND TV	.02	.02	.00	.00	.12	.14	.00	.00	.04	.04
PUBLIC UTILITIES	.20	.27	.39	.40	4.01	3.28	2.30	2.86	.46	.42
ELECTRIC GAS AND STEAM	.12	.15	.10	.08	3.85	3.12	1.01	.92	.39	.35
WATER AND IRRIGATION	.04	.07	.29	.32	.09	.09	.53	.97	.04	.05
SANITARY SERVICES	.04	.05	.00	.00	.07	.07	.75	.98	.03	.02
WHOLESALE AND RETAIL TRADE	2.99	3.56	1.34	1.06	2.27	2.16	1.06	1.05	2.81	2.71
WHOLESALE TRADE	.19	.15	.36	.36	.81	.75	.53	.52	.59	.54
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.04	.03	.00	.00	.05	.03
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.03	.01	.02	.03	.03	.02
ELECTRIC HARDWARE AND PLUMBING	.01	.00	.00	.00	.45	.45	.00	.00	.05	.02
MACHINERY AND EQUIPMENT	.00	.00	.15	.15	.12	.10	.20	.21	.24	.26
MISCELLANEOUS WHOLESALE TRADE	.19	.15	.21	.20	.16	.17	.31	.28	.20	.19
RETAIL TRADE	2.79	3.41	.98	.71	1.46	1.41	.53	.53	2.22	2.17
LUMBER BUILDING AND FARM EQUIP	1.64	2.01	.80	.58	.31	.17	.35	.38	.60	.43
GENERAL MERCHANDISING	.00	.00	.09	.05	.34	.49	.00	.00	.70	.69
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.06	.07
OTHER GENERAL MERCHANDISING	.00	.00	.09	.05	.34	.49	.00	.00	.63	.62
FOOD AND DAIRY STORES	.01	.01	.05	.04	.07	.10	.01	.01	.20	.24
AUTO DEALERS AND GAS STATIONS	.00	.00	.04	.03	.05	.06	.00	.00	.03	.03
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.05	.06	.00	.00	.00	.00
GAS STATIONS	.00	.00	.04	.03	.00	.00	.00	.00	.03	.03
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.01	.01	.07	.11
FURNITURE AND APPLIANCES	.82	1.10	.00	.00	.65	.56	.01	.01	.23	.24
EATING AND DRINKING PLACES	.12	.12	.00	.00	.01	.01	.03	.03	.25	.31
MISCELLANEOUS RETAIL STORES	.19	.16	.00	.00	.03	.02	.11	.09	.14	.11
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
OTHER RETAIL STORES	.19	.16	.00	.00	.03	.02	.11	.08	.13	.11
FINANCE INSURANCE AND REAL ESTATE	.12	.11	.00	.00	.34	.28	.18	.29	2.51	2.96
FINANCE	.00	.00	.00	.00	.09	.10	.01	.01	.12	.12
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.08	.09	.01	.01	.10	.11
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.01	.00	.00	.00	.02	.02
INSURANCE	.00	.00	.00	.00	.07	.07	.00	.00	.12	.11
REAL ESTATE	.11	.11	.00	.00	.19	.11	.18	.29	2.27	2.73
SERVICES	1.32	1.93	.66	.49	7.07	8.45	1.09	3.02	13.78	13.72
HOTELS AND OTHER LODGING PLACES	.01	.01	.00	.00	.34	.40	.00	.00	1.22	1.58
OTHER PERSONAL SERVICES	.01	.00	.00	.00	.01	.02	.00	.00	.07	.09
LAUNDRY CLEANERS AND VALET	.01	.00	.00	.00	.01	.02	.00	.00	.03	.05
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.04	.04
MISCELLANEOUS BUSINESS SERVICE	.02	.02	.12	.19	1.10	2.13	.52	2.12	5.45	4.46
ADVERTISING	.00	.00	.00	.00	.05	.04	.00	.01	.42	.23
OTHER MISC BUSINESS SERVICES	.02	.02	.12	.19	1.05	2.08	.51	2.12	5.03	4.23
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.03	.03	.00	.00	1.09	.89	.01	.01	.24	.21
MOTION PICTURES AND THEATRES	.01	.01	.00	.00	.50	.48	.00	.00	.25	.33
MISC ENTERTAINMENT AND RECREATION	.08	.26	.00	.00	.16	.35	.07	.15	.28	.48
MEDICAL AND OTHER HEALTH SERVICES	.19	.19	.00	.00	1.43	1.42	.07	.11	2.08	1.74
HOSPITALS	.17	.18	.00	.00	1.35	1.32	.01	.01	1.90	1.61
OTHER MEDICAL AND HEALTH	.01	.01	.00	.00	.08	.10	.05	.10	.18	.13
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
EDUCATIONAL SERVICES	.64	.99	.19	.19	1.86	2.09	.27	.36	2.76	3.16
NONPROFIT MEMBER ORGANIZATIONS	.28	.36	.36	.10	.36	.35	.10	.19	.74	.90
WELFARE AND RELIGIOUS ORGANS	.15	.21	.00	.00	.15	.17	.07	.17	.68	.85
OTHER NONPROFIT ORGANIZATIONS	.13	.15	.36	.10	.21	.19	.03	.02	.06	.05
PRIVATE HOUSEHOLD SERVICES	.03	.02	.00	.00	.00	.00	.00	.00	.34	.33
OTHER PROFESSIONAL AND RELAT SERV	.01	.04	.00	.00	.22	.33	.05	.07	.34	.42
ENGINEERING AND ARCHITECT SERV	.01	.04	.00	.00	.08	.16	.05	.07	.02	.04
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.14	.17	.00	.00	.30	.37
GOVERNMENT PUBLIC ADMINISTRATION	.66	.70	.86	.66	6.05	5.38	3.39	3.71	4.11	3.99
FEDERAL PUBLIC ADMINISTRATION	.28	.26	.24	.25	4.57	3.88	1.41	1.27	2.32	2.05
POSTAL SERVICE	.00	.00	.00	.00	.04	.03	.00	.00	.04	.04
OTHER FEDERAL PUBLIC ADMIN	.28	.26	.24	.25	4.53	3.85	1.41	1.27	2.28	2.01
STATE PUBLIC ADMINISTRATION	.18	.19	.45	.23	.32	.30	.28	.35	.40	.36
LOCAL PUBLIC ADMINISTRATION	.20	.24	.17	.18	1.17	1.19	1.70	2.08	1.39	1.58

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PLASTERERS		PLUMBERS AND PIPEFITTERS		ROOFERS AND SLATERS		STRUCTURAL METALWORKERS		FOREMEN NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.02	.04	.00	.00	.00	.00	.50	.60
AGRICULTURE	.00	.00	.02	.02	.00	.00	.00	.00	.40	.47
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.09	.11
FISHERIES	.00	.00	.01	.01	.00	.00	.00	.00	.01	.02
MINING	.00	.00	.51	.67	.02	.01	.25	.21	3.03	2.16
METAL MINING	.00	.00	.21	.28	.00	.00	.00	.00	.58	.42
COAL MINING	.00	.00	.09	.09	.02	.01	.02	.01	.88	.47
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.14	.18	.00	.00	.21	.16	1.33	1.03
NONMETALLIC MINING AND QUARRYING	.00	.00	.08	.13	.00	.00	.02	.03	.23	.24
CONSTRUCTION	85.71	87.50	64.29	60.64	91.66	92.11	64.70	63.64	8.44	10.44
TOTAL MANUFACTURING	2.09	2.02	18.86	20.96	2.36	2.23	32.67	33.97	59.56	58.17
DURABLE GOODS MANUFACTURING	1.23	1.28	11.81	13.41	1.35	1.17	32.26	33.43	35.29	34.53
LUMBER AND WOOD PRODUCTS	.03	.00	.07	.04	.10	.11	.00	.00	1.55	1.54
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.16	.13
SAWMILLS MILLWORK + MISC WOOD	.03	.00	.07	.04	.10	.11	.00	.00	1.39	1.41
FURNITURE AND FIXTURES	.03	.02	.01	.01	.00	.00	.01	.00	1.52	2.02
STONE CLAY AND GLASS PRODUCTS	.17	.28	.27	.28	.19	.23	.10	.17	2.13	2.34
GLASS AND GLASS PRODUCTS	.00	.00	.15	.15	.02	.05	.02	.02	.64	.76
CEMENT CONCRETE AND PLASTER	.03	.09	.07	.08	.14	.14	.08	.15	.64	.76
STRUCTURAL CLAY PRODUCTS	.14	.19	.02	.03	.02	.04	.00	.00	.19	.21
POTTERY AND RELATED PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.16	.12
MISC NONMETALLIC AND STONE	.00	.00	.03	.01	.00	.00	.00	.00	.50	.50
PRIMARY METAL INDUSTRIES	.17	.10	2.51	2.65	.11	.09	2.24	2.17	5.07	4.59
BLAST FURNACE AND STEEL WORKS	.02	.01	1.45	1.49	.11	.09	1.43	1.28	2.11	1.82
OTHER PRIMARY METAL IND	.00	.00	.36	.39	.00	.00	.66	.66	1.37	1.29
PRIMARY NONFERROUS METAL	.15	.09	.70	.78	.00	.00	.14	.23	1.59	1.48
FABRICATED METAL PRODUCTS NEC	.00	.00	1.35	1.42	.59	.54	7.48	6.94	5.64	5.00
MACHINERY EXCEPT ELECTRICAL	.45	.55	1.12	1.34	.03	.06	.75	.83	5.42	5.61
FARM MACHINERY AND EQUIPMENT	.00	.00	.05	.06	.02	.03	.00	.00	.45	.54
OFFICE MACHINERY	.00	.00	.07	.08	.00	.00	.00	.00	.42	.41
MISCELLANEOUS MACHINERY	.45	.55	1.01	1.19	.01	.02	.75	.83	4.56	4.66
ELECTRICAL MACHINERY	.03	.02	.63	.71	.00	.00	.50	.88	5.67	5.78
TRANSPORTATION EQUIPMENT	.33	.29	5.36	6.34	.31	.12	21.05	22.20	5.48	5.00
MOTOR VEHICLES AND EQUIPMENT	.02	.01	.82	.88	.00	.00	.10	.09	2.17	1.99
AIR CRAFT AND ENGINES	.19	.21	.53	.72	.00	.00	.34	.43	2.09	1.98
SHIP AND BOATBUILDING AND REP	.13	.07	3.60	4.42	.01	.02	19.48	20.73	.71	.66
RR AND OTHER TRANSPORT EQUIP	.00	.00	.40	.32	.30	.11	1.12	.95	.50	.38
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.35	.41	.02	.01	.01	.00	1.49	1.39
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.35	.41	.00	.00	.01	.00	1.38	1.29
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.02	.01	.00	.00	.10	.11
MISCELLANEOUS MANUFACTURING	.03	.01	.15	.20	.00	.00	.13	.23	1.32	1.26
NONDURABLE GOODS MANUFACTURING	.86	.74	7.05	7.55	1.01	1.06	.41	.54	24.28	23.64
FOOD AND KINDRED PRODUCTS	.00	.00	.74	.78	.00	.00	.00	.00	5.56	4.70
MEAT PRODUCTS	.00	.00	.21	.20	.00	.00	.00	.00	.93	.77
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.48	.48
CANNING PRESERVES + FREEZING	.00	.00	.09	.10	.00	.00	.00	.00	.98	.87
GRAIN MILL PRODUCTS	.00	.00	.12	.14	.00	.00	.00	.00	.49	.38
BAKERY PRODUCTS	.00	.00	.02	.02	.00	.00	.00	.00	.72	.58
BEVERAGE INDUSTRIES	.00	.00	.08	.07	.00	.00	.00	.00	.78	.75
OTHER FOOD PRODUCTS	.00	.00	.23	.25	.00	.00	.00	.00	.97	.87
TOBACCO MANUFACTURING	.00	.00	.06	.08	.04	.01	.00	.00	.27	.25
TEXTILE MILL PRODUCTS	.00	.00	.23	.13	.16	.14	.00	.00	2.83	2.37
APPAREL AND ACCESSORIES	.00	.00	.03	.07	.00	.00	.13	.22	2.64	2.90
PAPER AND ALLIED PRODUCTS	.09	.08	1.19	1.36	.11	.15	.03	.03	2.53	2.78
PULP PAPER AND BOARD MILLS	.09	.08	1.04	1.18	.00	.00	.03	.03	1.04	1.08
PAPERBOARD CONTAINERS + BOXES	.00	.00	.03	.04	.04	.04	.00	.00	.85	.93
ALL OTHER PAPER PRODUCTS	.00	.00	.11	.15	.06	.10	.00	.00	.64	.78
PRINTING AND PUBLISHING	.51	.39	.13	.14	.00	.05	.00	.02	2.06	1.92
CHEMICALS AND ALLIED PRODUCTS	.06	.03	2.99	3.45	.23	.13	.10	.08	4.17	4.19
SYNTHETIC FIBERS	.00	.00	.30	.33	.06	.02	.00	.00	.58	.61
DRUGS AND MEDICINE	.00	.00	.17	.30	.00	.00	.00	.00	.39	.43
PAINTS AND VARNISHES AND REL	.00	.00	.05	.05	.00	.00	.00	.00	.22	.16
OTHER CHEMICALS	.06	.03	2.48	2.77	.17	.11	.10	.08	2.98	2.98
PETROLEUM REFIN AND COAL PROD	.00	.00	1.15	.98	.47	.58	.07	.04	.70	.45
PETROLEUM REFINING	.00	.00	1.12	.93	.00	.00	.07	.04	.57	.35
OTHER PETROL AND COAL PRODUCT	.00	.00	.04	.05	.47	.58	.00	.00	.12	.10
RUBBER AND MISC PLASTIC PRODUCT	.20	.25	.51	.53	.00	.00	.05	.09	2.48	3.04
RUBBER PRODUCTS	.00	.00	.46	.46	.00	.00	.05	.09	1.06	1.03
MISCELLANEOUS PLASTIC PRODUCT	.20	.25	.05	.08	.00	.00	.00	.00	1.42	2.01
LEATHER PRODUCTS	.00	.00	.02	.03	.00	.00	.04	.04	1.03	1.03
LEATHER TANNING AND FINISHING	.00	.00	.02	.02	.00	.00	.00	.00	.11	.10
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.01	.00	.00	.00	.00	.66	.66
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.04	.04	.27	.27

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PLASTERERS		PLUMBERS AND PIPEFITTERS		ROOFERS AND SLATERS		STRUCTURAL METALWORKERS		FOREMEN NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	5.72	5.96	.10	.13	1.26	1.22	9.50	8.29
TRANSPORTATION	.00	.00	1.34	1.15	.10	.13	.74	.65	4.84	3.87
RAILROADS	.00	.00	1.16	.96	.00	.00	.42	.30	1.84	1.07
LOCAL AND INTERURBAN PASSENGER	.00	.00	.05	.04	.08	.10	.12	.17	.29	.26
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.05	.04	.05	.08	.12	.17	.27	.24
TAXIS	.00	.00	.00	.00	.03	.02	.00	.00	.02	.01
TRUCKING AND WAREHOUSING	.00	.00	.05	.09	.00	.00	.15	.15	1.76	1.62
TRUCKING	.00	.00	.03	.06	.00	.00	.15	.15	1.50	1.42
WAREHOUSING	.00	.00	.02	.03	.00	.00	.00	.00	.25	.20
WATER TRANSPORTATION	.00	.00	.02	.02	.02	.03	.05	.04	.25	.30
AIR TRANSPORTATION	.00	.00	.04	.03	.00	.00	.00	.00	.46	.42
PIPELINES	.00	.00	.02	.01	.00	.00	.00	.00	.09	.07
TRANSPORTATION SERVICES	.00	.00	.01	.01	.00	.00	.00	.00	.15	.13
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	4.38	4.79	.00	.00	.52	.57	4.66	4.42
COMMUNICATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.32	.28
TELEPHONE	.00	.00	.00	.00	.00	.00	.00	.00	.25	.24
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.06	.03
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PUBLIC UTILITIES	.00	.00	4.38	4.78	.00	.00	.52	.57	4.34	4.14
ELECTRIC GAS AND STEAM	.00	.00	3.50	3.53	.00	.00	.49	.54	3.23	2.73
WATER AND IRRIGATION	.00	.00	.76	1.12	.00	.00	.00	.00	.52	.75
SANITARY SERVICES	.00	.00	.12	.13	.00	.00	.03	.03	.59	.66
WHOLESALE AND RETAIL TRADE	.39	.22	3.46	3.31	3.67	3.27	.28	.39	10.51	11.45
WHOLESALE TRADE	.03	.01	.67	.60	.15	.17	.26	.39	5.47	6.46
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.02	.02	.00	.00	.00	.00	.55	.62
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.28	.31
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.18	.21
GROCERIES AND RELATED	.00	.00	.02	.02	.00	.00	.00	.00	.92	.96
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.27	.15	.00	.00	.08	.20	.53	.63
MACHINERY AND EQUIPMENT	.00	.00	.25	.27	.00	.00	.02	.01	.79	.98
MISCELLANEOUS WHOLESALE TRADE	.03	.01	.12	.13	.15	.17	.16	.18	2.23	2.74
RETAIL TRADE	.36	.21	2.79	2.71	3.52	3.11	.02	.00	5.03	5.00
LUMBER BUILDING AND FARM EQUIP	.22	.14	2.49	2.42	3.41	2.99	.00	.00	.82	.69
GENERAL MERCHANDISING	.03	.02	.04	.03	.01	.02	.00	.00	1.64	1.63
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.18	.15
OTHER GENERAL MERCHANDISING	.03	.02	.04	.03	.01	.02	.00	.00	1.45	1.48
FOOD AND DAIRY STORES	.00	.00	.01	.01	.00	.00	.00	.00	.71	.75
AUTO DEALERS AND GAS STATIONS	.00	.00	.02	.03	.00	.00	.00	.00	.90	1.09
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.82	1.00
GAS STATIONS	.00	.00	.02	.02	.00	.00	.00	.00	.08	.09
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.01	.00	.19	.15
FURNITURE AND APPLIANCES	.00	.00	.07	.05	.00	.00	.00	.00	.20	.20
EATING AND DRINKING PLACES	.11	.04	.01	.01	.08	.08	.00	.00	.15	.16
MISCELLANEOUS RETAIL STORES	.00	.00	.15	.16	.01	.01	.01	.00	.42	.33
DRUG STORES	.00	.00	.01	.02	.00	.00	.00	.00	.07	.06
OTHER RETAIL STORES	.00	.00	.14	.14	.01	.01	.01	.00	.35	.27
FINANCE INSURANCE AND REAL ESTATE	2.63	2.06	.21	.18	.04	.04	.00	.00	.45	.42
FINANCE	.07	.03	.00	.00	.00	.00	.00	.00	.13	.13
BANKS AND CREDIT AGENCIES	.07	.03	.00	.00	.00	.00	.00	.00	.11	.11
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
INSURANCE	.00	.00	.01	.01	.00	.00	.00	.00	.07	.06
REAL ESTATE	2.55	2.03	.20	.17	.04	.04	.00	.00	.25	.24
SERVICES	7.87	7.20	3.84	4.95	1.19	1.31	.24	.24	5.24	5.93
HOTELS AND OTHER LODGING PLACES	1.30	1.01	.15	.30	.00	.00	.00	.00	.12	.15
OTHER PERSONAL SERVICES	.31	.44	.01	.01	.00	.00	.09	.09	.71	.73
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.07	.09	.71	.73
ALL OTHER PERSONAL SERVICES	.31	.44	.00	.00	.00	.00	.02	.01	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.18	.14	.34	.35	.00	.00	.00	.00	1.32	2.60
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.04	.02
OTHER MISC BUSINESS SERVICES	.18	.14	.34	.35	.00	.00	.00	.00	1.28	2.58
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.32	.38
OTHER REPAIR SERVICE	.09	.11	.09	.08	.00	.00	.01	.00	.17	.18
MOTION PICTURES AND THEATRES	.17	.13	.01	.01	.00	.00	.00	.00	.05	.05
MISC ENTERTAINMENT AND RECREATION	.00	.00	.04	.06	.00	.00	.00	.00	.11	.15
MEDICAL AND OTHER HEALTH SERVICES	2.44	1.97	1.28	1.49	.03	.04	.00	.00	.46	.45
HOSPITALS	2.35	1.92	1.18	1.31	.03	.04	.00	.00	.31	.29
OTHER MEDICAL AND HEALTH	.09	.05	.10	.18	.00	.00	.00	.00	.15	.16
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	2.39	2.93	1.47	2.08	1.02	1.19	.00	.00	1.64	.88
NONPROFIT MEMBER ORGANIZATIONS	.94	.44	.33	.39	.14	.08	.11	.07	.15	.15
WELFARE AND RELIGIOUS ORGANS	.13	.02	.14	.21	.06	.03	.00	.00	.14	.14
OTHER NONPROFIT ORGANIZATIONS	.81	.41	.19	.18	.08	.05	.11	.07	.01	.01
PRIVATE HOUSEHOLD SERVICES	.09	.02	.01	.01	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.10	.17	.00	.00	.03	.08	.18	.22
ENGINEERING AND ARCHITECT SERV	.00	.00	.06	.10	.00	.00	.03	.08	.07	.12
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.05	.07	.00	.00	.00	.00	.10	.10
GOVERNMENT PUBLIC ADMINISTRATION	1.31	.99	3.09	3.32	.94	.89	.60	.34	2.77	2.53
FEDERAL PUBLIC ADMINISTRATION	.51	.45	2.24	2.31	.55	.47	.60	.34	1.40	1.11
POSTAL SERVICE	.00	.00	.01	.00	.00	.00	.00	.00	.04	.03
OTHER FEDERAL PUBLIC ADMIN	.51	.45	2.23	2.31	.55	.47	.60	.34	1.37	1.08
STATE PUBLIC ADMINISTRATION	.00	.00	.20	.22	.10	.12	.00	.00	.53	.57
LOCAL PUBLIC ADMINISTRATION	.80	.54	.64	.80	.29	.29	.00	.00	.84	.85

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	METALWRKNG CRAFTS EXC MECHANICS		MACHINISTS AND RELATED OCC		BLACKSMITHS,FORGEMEN,AND HAMMERMEN		BOILERMAKERS		HEAT TREATERS, ANNEALERS,TEMPERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.03	.02	.04	.03	.17	.19	.00	.00	.00	.00
AGRICULTURE	.01	.01	.01	.01	.17	.19	.00	.00	.00	.00
FORESTRY	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.68	.42	.71	.58	10.69	3.46	1.92	1.01	.18	.38
METAL MINING	.17	.12	.20	.16	1.17	.89	1.57	.74	.00	.00
COAL MINING	.13	.09	.24	.18	.72	.38	.05	.04	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.25	.08	.10	.03	8.31	1.79	.26	.18	.18	.38
NONMETALLIC MINING AND QUARRYING	.13	.14	.18	.22	.48	.40	.03	.05	.00	.00
CONSTRUCTION	4.84	6.12	.58	.53	4.74	8.89	19.63	27.98	.42	.36
TOTAL MANUFACTURING	86.85	86.19	90.90	91.85	54.81	65.79	58.31	53.32	97.84	97.56
DURABLE GOODS MANUFACTURING	80.67	79.95	84.77	85.55	51.61	61.52	45.99	43.45	97.84	97.56
LUMBER AND WOOD PRODUCTS	.62	.71	.25	.41	.35	.41	.03	.02	.00	.00
LOGGING CAMPS AND CONTRACTORS	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.60	.70	.24	.40	.34	.40	.03	.02	.00	.00
FURNITURE AND FIXTURES	.35	.38	.15	.18	.15	.23	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.83	.90	.91	1.04	.81	.48	.14	.32	.00	.00
GLASS AND GLASS PRODUCTS	.25	.32	.31	.41	.15	.09	.06	.09	.00	.00
CEMENT CONCRETE AND PLASTER	.15	.16	.18	.21	.33	.25	.03	.12	.00	.00
STRUCTURAL CLAY PRODUCTS	.04	.05	.03	.03	.01	.02	.05	.12	.00	.00
POTTERY AND RELATED PRODUCTS	.06	.06	.08	.09	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.32	.32	.32	.31	.33	.12	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	10.72	9.77	4.71	4.40	20.92	25.20	7.96	5.92	34.64	35.10
BLAST FURNACE AND STEEL WORKS	3.67	3.01	1.44	1.28	5.23	4.37	5.65	4.26	9.89	8.98
OTHER PRIMARY METAL IND	4.48	4.45	1.56	1.58	13.03	17.88	1.41	.99	17.31	18.58
PRIMARY NONFERROUS METAL	2.57	2.31	1.71	1.54	2.66	2.95	.90	.66	7.45	7.53
FABRICATED METAL PRODUCTS NEC	15.29	15.27	15.18	16.35	10.92	14.65	20.15	17.96	17.56	17.03
MACHINERY EXCEPT ELECTRICAL	25.33	25.94	34.77	36.12	8.02	8.92	1.58	.97	26.53	28.66
FARM MACHINERY AND EQUIPMENT	1.08	1.37	1.38	1.82	1.03	1.66	.00	.00	1.66	1.90
OFFICE MACHINERY	1.28	1.22	1.45	1.28	.10	.14	.00	.00	1.15	1.08
MISCELLANEOUS MACHINERY	22.98	23.36	31.94	33.01	6.89	7.12	1.58	.97	23.73	25.68
ELECTRICAL MACHINERY	8.73	9.04	9.89	9.88	1.84	2.67	.58	.87	4.90	4.71
TRANSPORTATION EQUIPMENT	14.68	13.85	14.72	13.14	7.94	8.15	15.56	17.41	13.06	11.20
MOTOR VEHICLES AND EQUIPMENT	5.26	4.88	3.96	3.74	3.10	3.79	.05	.06	5.85	4.21
AIR CRAFT AND ENGINES	5.44	4.96	5.86	4.33	1.55	1.14	.00	.00	6.60	6.64
SHIP AND BOATBUILDING AND REP	2.89	3.07	3.61	3.93	1.35	1.68	15.02	17.04	.15	.11
RR AND OTHER TRANSPORT EQUIP	1.09	.94	1.29	1.13	1.95	1.54	.49	.31	.46	.24
PROF SCIENTIFIC INSTRUMENTS	2.65	2.53	3.95	3.77	.14	.20	.00	.00	.26	.22
INSTRUMENTS EXCEPT CLOCKS	2.44	2.30	3.70	3.51	.14	.20	.00	.00	.21	.21
WATCHES AND CLOCK DEVICES	.21	.23	.25	.26	.00	.00	.00	.00	.05	.00
MISCELLANEOUS MANUFACTURING	1.41	1.55	.26	.26	.52	.60	.00	.00	.90	.64
NONDURABLE GOODS MANUFACTURING	6.23	6.24	6.13	6.31	3.20	4.27	12.32	9.87	.00	.00
FOOD AND KINDRED PRODUCTS	.86	.76	1.06	1.09	.68	1.00	.67	.60	.00	.00
MEAT PRODUCTS	.15	.14	.20	.20	.20	.32	.00	.00	.00	.00
DAIRY PRODUCTS	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.09	.07	.13	.11	.15	.27	.11	.11	.00	.00
GRAIN MILL PRODUCTS	.18	.13	.11	.10	.00	.00	.10	.11	.00	.00
BAKERY PRODUCTS	.08	.07	.15	.15	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.18	.19	.31	.34	.00	.00	.09	.08	.00	.00
OTHER FOOD PRODUCTS	.16	.16	.15	.18	.32	.42	.37	.29	.00	.00
TOBACCO MANUFACTURING	.10	.11	.16	.20	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.41	.25	.60	.39	.25	.12	.38	.34	.00	.00
APPAREL AND ACCESSORIES	.12	.22	.08	.18	.00	.12	.00	.11	.00	.00
PAPER AND ALLIED PRODUCTS	1.57	1.61	1.05	1.07	.57	.66	.44	.68	.00	.00
PULP PAPER AND BOARD MILLS	1.07	1.10	.54	.55	.48	.42	.44	.42	.00	.00
PAPERBOARD CONTAINERS + BOXES	.27	.27	.24	.25	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.23	.25	.27	.28	.08	.24	.20	.26	.00	.00
PRINTING AND PUBLISHING	.40	.44	.71	.77	.00	.00	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	1.32	1.18	1.16	1.09	1.40	1.95	4.38	4.28	.00	.00
SYNTHETIC FIBERS	.23	.23	.15	.16	.10	.11	.17	.21	.00	.00
DRUGS AND MEDICINE	.02	.04	.00	.00	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.03	.02	.01	.01	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	1.04	.89	1.00	.92	1.30	1.85	4.21	4.07	.00	.00
PETROLEUM REFIN AND COAL PROD	.36	.21	.40	.24	.17	.20	6.03	3.55	.00	.00
PETROLEUM REFINING	.31	.17	.37	.22	.17	.20	5.83	3.48	.00	.00
OTHER PETROL AND COAL PRODUCT	.04	.04	.02	.02	.00	.00	.20	.08	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	1.04	1.39	.87	1.22	.08	.14	.10	.13	.00	.00
RUBBER PRODUCTS	.34	.33	.32	.34	.08	.14	.10	.13	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.70	1.05	.55	.88	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.07	.07	.04	.05	.05	.07	.13	.17	.00	.00
LEATHER TANNING AND FINISHING	.01	.01	.01	.01	.05	.07	.09	.13	.00	.00
FOOTWEAR EXCEPT RUBBER	.03	.04	.03	.04	.00	.00	.03	.04	.00	.00
ALL OTHER LEATHER PRODUCTS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	METALWRKNG CRAFTS EXC MECHANICS		MACHINISTS AND RELATED OCC		BLACKSMITHS,FORGEMEN,AND HAMMERMEN		BOILERMAKERS		HEAT TREATERS, ANNEALERS,TEMPERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	3.06	2.45	4.28	3.23	7.20	8.58	11.36	6.34	.05	.03
TRANSPORTATION	2.62	2.06	3.73	2.72	5.83	6.40	7.50	3.90	.00	.00
RAILROADS	2.08	1.40	3.43	2.42	4.81	4.92	6.68	2.57	.00	.00
LOCAL AND INTERURBAN PASSENGER	.10	.11	.14	.16	.34	.24	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.10	.11	.13	.16	.34	.24	.00	.00	.00	.00
TAXIS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.05	.07	.01	.01	.32	.67	.72	1.23	.00	.00
TRUCKING	.04	.06	.00	.00	.32	.67	.72	1.23	.00	.00
WAREHOUSING	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.03	.03	.03	.04	.16	.22	.10	.10	.00	.00
AIR TRANSPORTATION	.33	.44	.08	.06	.10	.17	.00	.00	.00	.00
PIPELINES	.02	.02	.04	.03	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.10	.18	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.44	.39	.56	.51	1.37	2.18	3.86	2.43	.05	.03
COMMUNICATIONS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
TELEPHONE	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.44	.38	.56	.51	1.37	2.18	3.86	2.43	.05	.03
ELECTRIC GAS AND STEAM	.36	.29	.43	.36	.80	1.03	3.86	2.43	.05	.03
WATER AND IRRIGATION	.04	.06	.06	.09	.39	.91	.00	.00	.00	.00
SANITARY SERVICES	.03	.03	.06	.06	.17	.25	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.62	.58	.13	.15	1.28	1.91	.83	.82	.07	.03
WHOLESALE TRADE	.31	.32	.11	.13	.90	1.52	.73	.77	.05	.02
MOTOR VEHICLES AND EQUIPMENT	.01	.02	.00	.01	.16	.42	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.02	.02	.04	.03	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.07	.07	.01	.01	.04	.04	.67	.71	.00	.00
MACHINERY AND EQUIPMENT	.08	.08	.03	.04	.25	.30	.06	.06	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.13	.12	.03	.03	.45	.75	.00	.00	.05	.02
RETAIL TRADE	.31	.26	.02	.02	.38	.39	.09	.05	.03	.01
LUMBER BUILDING AND FARM EQUIP	.23	.18	.02	.02	.21	.21	.02	.01	.03	.01
GENERAL MERCHANDISING	.01	.00	.00	.00	.00	.00	.05	.02	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.01	.00	.00	.00	.00	.00	.05	.02	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.05	.06	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.03	.03	.00	.00	.06	.07	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.03	.03	.00	.00	.06	.07	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.03	.03	.00	.00	.06	.05	.03	.02	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.03	.03	.00	.00	.06	.05	.03	.02	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.01	.01	.00	.00	.00	.00	.06	.03	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
REAL ESTATE	.01	.01	.00	.00	.00	.00	.06	.03	.00	.00
SERVICES	1.70	2.22	.97	1.39	19.53	9.39	6.80	9.24	.14	.16
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.06	.04	.00	.00
OTHER PERSONAL SERVICES	.01	.02	.02	.03	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.01	.02	.02	.03	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.44	1.07	.11	.30	.00	.00	.05	.07	.00	.00
ADVERTISING	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.42	1.06	.11	.30	.00	.00	.05	.07	.00	.00
AUTO REPAIR SERVICES	.02	.02	.02	.03	.03	.06	.00	.00	.00	.00
OTHER REPAIR SERVICE	.60	.36	.01	.01	18.12	7.23	6.19	8.57	.14	.16
MOTION PICTURES AND THEATRES	.02	.02	.03	.05	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.07	.09	.10	.14	.55	.89	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.10	.12	.10	.12	.22	.27	.20	.14	.00	.00
HOSPITALS	.07	.07	.06	.07	.09	.09	.20	.14	.00	.00
OTHER MEDICAL AND HEALTH	.03	.05	.04	.05	.13	.18	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.35	.41	.55	.70	.38	.43	.00	.00	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.02	.01	.01	.00	.00	.00	.20	.14	.00	.00
WELFARE AND RELIGIOUS ORGANS	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.01	.01	.00	.00	.00	.00	.20	.14	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.07	.09	.02	.01	.22	.49	.10	.29	.00	.00
ENGINEERING AND ARCHITECT SERV	.04	.06	.02	.01	.00	.00	.10	.29	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.03	.03	.00	.00	.22	.49	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	2.20	1.99	2.39	2.24	1.58	1.80	1.10	1.27	1.30	1.48
FEDERAL PUBLIC ADMINISTRATION	1.98	1.70	2.07	1.80	.49	.80	1.02	1.21	1.30	1.48
POSTAL SERVICE	.01	.01	.00	.01	.08	.05	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	1.97	1.69	2.07	1.79	.42	.75	1.02	1.21	1.30	1.48
STATE PUBLIC ADMINISTRATION	.05	.06	.08	.06	.18	.43	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	.17	.23	.24	.38	.91	.57	.08	.06	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	MILLWRIGHTS		MOLDERS,METAL EXC COREMKRS		PATTERNMAKERS, METAL,WOOD		ROLLERS AND ROLL HANDS		SHEET METAL WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.01	.00	.00	.00	.00	.00	.00	.00	.02	.03
AGRICULTURE	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.55	.51	.00	.00	.00	.00	.19	.28	.08	.08
METAL MINING	.11	.06	.00	.00	.00	.00	.19	.28	.04	.02
COAL MINING	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.00	.00	.04	.06
NONMETALLIC MINING AND QUARRYING	.43	.44	.00	.00	.00	.00	.00	.00	.00	.00
CONSTRUCTION	9.10	12.59	.06	.04	.08	.04	.17	.15	27.20	31.76
TOTAL MANUFACTURING	87.17	83.20	99.79	99.84	92.49	89.13	99.08	99.02	56.68	51.06
DURABLE GOODS MANUFACTURING	60.27	57.87	99.50	99.29	88.62	84.21	99.08	99.02	54.22	49.10
LUMBER AND WOOD PRODUCTS	6.75	7.16	.00	.00	.52	.36	.00	.00	.15	.15
LOGGING CAMPS AND CONTRACTORS	.18	.19	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	6.57	6.97	.00	.00	.52	.36	.00	.00	.15	.15
FURNITURE AND FIXTURES	.53	.30	.00	.00	1.10	.99	.00	.00	.80	.70
STONE CLAY AND GLASS PRODUCTS	2.26	2.45	.36	.49	1.03	.97	.44	.79	.33	.16
GLASS AND GLASS PRODUCTS	.80	1.12	.16	.38	.30	.13	.00	.00	.09	.07
CEMENT CONCRETE AND PLASTER	.47	.46	.00	.00	.25	.31	.00	.00	.13	.05
STRUCTURAL CLAY PRODUCTS	.12	.14	.00	.00	.06	.02	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.06	.02	.00	.00	.02	.00	.00	.00	.02	.01
MISC NONMETALLIC AND STONE	.81	.71	.19	.11	.40	.50	.44	.79	.09	.03
PRIMARY METAL INDUSTRIES	23.18	21.55	55.77	53.68	9.51	7.92	74.35	69.61	1.23	.85
BLAST FURNACE AND STEEL WORKS	13.97	11.79	3.08	2.05	.76	.38	55.24	50.36	.47	.28
OTHER PRIMARY METAL IND	4.74	4.62	41.99	42.81	7.14	6.29	11.10	12.61	.27	.25
PRIMARY NONFERROUS METAL	4.47	5.14	10.70	8.82	1.61	1.25	8.01	6.64	.48	.31
FABRICATED METAL PRODUCTS NEC	6.93	6.93	13.38	13.81	8.10	6.65	19.19	23.05	20.56	14.27
MACHINERY EXCEPT ELECTRICAL	5.60	5.61	17.00	18.33	12.68	11.67	1.96	2.19	6.21	5.81
FARM MACHINERY AND EQUIPMENT	.49	.51	2.00	2.34	1.52	2.08	.04	.06	.33	.36
OFFICE MACHINERY	.17	.16	.32	.30	2.48	2.79	.43	.47	.13	.12
MISCELLANEOUS MACHINERY	4.94	4.93	14.68	15.68	8.68	6.80	1.49	1.66	5.75	5.33
ELECTRICAL MACHINERY	4.48	4.17	7.51	8.76	14.78	16.48	1.56	2.14	5.72	7.47
TRANSPORTATION EQUIPMENT	9.39	8.66	4.68	3.43	18.18	14.31	1.39	1.09	16.83	17.39
MOTOR VEHICLES AND EQUIPMENT	6.95	6.32	1.75	.76	7.54	5.42	.81	.56	1.96	1.87
AIR CRAFT AND ENGINES	1.38	1.41	.78	.47	7.58	6.46	.40	.46	8.16	8.66
SHIP AND BOATBUILDING AND REP	.11	.09	1.16	1.38	2.23	1.81	.02	.02	5.14	5.33
RR AND OTHER TRANSPORT EQUIP	.94	.83	.99	.82	.83	.62	.16	.05	1.57	1.53
PROF SCIENTIFIC INSTRUMENTS	.73	.70	.13	.04	2.80	3.82	.03	.02	1.25	1.24
INSTRUMENTS EXCEPT CLOCKS	.73	.70	.13	.04	2.44	3.26	.03	.02	1.21	1.19
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.35	.56	.00	.00	.03	.05
MISCELLANEOUS MANUFACTURING	.41	.33	.68	.75	19.94	21.04	.16	.13	1.14	1.06
NONDURABLE GOODS MANUFACTURING	26.90	25.33	.28	.56	3.87	4.92	.00	.00	2.46	1.97
FOOD AND KINDRED PRODUCTS	3.52	2.36	.00	.00	.06	.05	.00	.00	.63	.46
MEAT PRODUCTS	.69	.52	.00	.00	.00	.00	.00	.00	.06	.05
DAIRY PRODUCTS	.04	.03	.00	.00	.00	.00	.00	.00	.03	.01
CANNING PRESERVES + FREEZING	.22	.10	.00	.00	.00	.00	.00	.00	.05	.02
GRAIN MILL PRODUCTS	1.48	.87	.00	.00	.00	.00	.00	.00	.21	.15
BAKERY PRODUCTS	.09	.03	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.22	.12	.00	.00	.00	.00	.00	.00	.13	.13
OTHER FOOD PRODUCTS	.78	.69	.00	.00	.06	.05	.00	.00	.14	.10
TOBACCO MANUFACTURING	.13	.14	.00	.00	.04	.05	.00	.00	.06	.05
TEXTILE MILL PRODUCTS	.94	.51	.00	.00	.48	.36	.00	.00	.13	.03
APPAREL AND ACCESSORIES	.16	.27	.00	.00	1.17	1.79	.00	.00	.00	.03
PAPER AND ALLIED PRODUCTS	12.70	13.26	.00	.00	.44	.45	.00	.00	.29	.32
PULP PAPER AND BOARD MILLS	11.18	11.66	.00	.00	.20	.17	.00	.00	.25	.28
PAPERBOARD CONTAINERS + BOXES	.42	.40	.00	.00	.10	.09	.00	.00	.02	.01
ALL OTHER PAPER PRODUCTS	1.10	1.20	.00	.00	.14	.19	.00	.00	.02	.02
PRINTING AND PUBLISHING	.16	.20	.00	.00	.00	.06	.00	.00	.08	.07
CHEMICALS AND ALLIED PRODUCTS	7.09	6.14	.02	.02	.49	.47	.00	.00	.94	.76
SYNTHETIC FIBERS	1.77	1.67	.00	.00	.00	.00	.00	.00	.29	.30
DRUGS AND MEDICINE	.05	.06	.00	.00	.00	.00	.00	.00	.16	.24
PAINTS AND VARNISHES AND REL	.25	.18	.00	.00	.00	.00	.00	.00	.01	.01
OTHER CHEMICALS	5.02	4.23	.02	.02	.49	.47	.00	.00	.48	.21
PETROLEUM REFIN AND COAL PROD	.43	.37	.00	.00	.00	.00	.00	.00	.05	.00
PETROLEUM REFINING	.08	.05	.00	.00	.00	.00	.00	.00	.05	.00
OTHER PETROL AND COAL PRODUCT	.36	.32	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	1.70	2.03	.26	.54	.90	1.29	.00	.00	.26	.23
RUBBER PRODUCTS	1.06	.95	.09	.10	.27	.16	.00	.00	.26	.23
MISCELLANEOUS PLASTIC PRODUCT	.64	1.08	.17	.44	.63	1.13	.00	.00	.00	.00
LEATHER PRODUCTS	.07	.04	.00	.00	.30	.38	.00	.00	.02	.02
LEATHER TANNING AND FINISHING	.07	.04	.00	.00	.00	.00	.00	.00	.01	.01
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.23	.33	.00	.00	.01	.01
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	MILLWRIGHTS		MOLDERS, METAL EXC COREMKRS		PATTERNMAKERS, METAL, WOOD		ROLLERS AND ROLL HANDS		SHEET METAL WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.87	1.01	.11	.09	.07	.03	.00	.00	4.00	4.17
TRANSPORTATION	.64	.78	.09	.08	.02	.01	.00	.00	3.79	3.99
RAILROADS	.07	.05	.09	.08	.02	.01	.00	.00	1.33	.94
LOCAL AND INTERURBAN PASSENGER	.13	.19	.00	.00	.00	.00	.00	.00	.10	.09
LOCAL + INTERURBAN EXC TAXIS	.13	.19	.00	.00	.00	.00	.00	.00	.10	.09
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.19	.2	.00	.00	.00	.00	.00	.00	.09	.09
TRUCKING	.13	.1	.00	.00	.00	.00	.00	.00	.07	.08
WAREHOUSING	.05	.0	.00	.00	.00	.00	.00	.00	.01	.01
WATER TRANSPORTATION	.09	.12	.00	.00	.00	.00	.00	.00	.02	.01
AIR TRANSPORTATION	.16	.20	.00	.00	.00	.00	.00	.00	2.22	2.84
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.04	.01
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.24	.24	.02	.01	.06	.03	.00	.00	.21	.19
COMMUNICATIONS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01
TELEPHONE	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.23	.22	.02	.01	.06	.03	.00	.00	.20	.18
ELECTRIC GAS AND STEAM	.15	.14	.02	.01	.06	.03	.00	.00	.20	.18
WATER AND IRRIGATION	.04	.05	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.82	.49	.01	.01	.61	.77	.53	.51	3.11	2.56
WHOLESALE TRADE	.42	.18	.00	.00	.57	.76	.53	.51	1.15	1.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02
DRUGS AND CHEMICALS	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	.00	.00	.03	.04
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.41	.65	.00	.00	.24	.18
MACHINERY AND EQUIPMENT	.02	.02	.00	.00	.04	.02	.00	.00	.42	.36
MISCELLANEOUS WHOLESALE TRADE	.40	.16	.00	.00	.06	.03	.53	.51	.46	.41
RETAIL TRADE	.40	.30	.01	.01	.04	.02	.00	.00	1.95	1.55
LUMBER BUILDING AND FARM EQUIP	.25	.17	.00	.00	.00	.00	.00	.00	1.56	1.17
GENERAL MERCHANDISING	.00	.00	.00	.00	.03	.01	.00	.00	.01	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.03	.01	.00	.00	.01	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.01	.00	.01	.01	.00	.00	.00	.00	.15	.16
AUTO AND ACCESSORY DEALERS	.00	.00	.01	.01	.00	.00	.00	.00	.15	.16
GAS STATIONS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.00	.00	.00	.00	.09	.09
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.14	.13	.00	.00	.01	.01	.00	.00	.13	.12
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.14	.13	.00	.00	.01	.01	.00	.00	.13	.12
FINANCE INSURANCE AND REAL ESTATE	.02	.01	.00	.00	.04	.02	.00	.00	.06	.08
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
REAL ESTATE	.02	.01	.00	.00	.04	.02	.00	.00	.05	.07
SERVICES	1.13	1.83	.00	.00	3.84	7.78	.00	.00	3.00	5.28
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.81	1.52	.00	.00	3.23	7.21	.00	.00	1.53	3.80
ADVERTISING	.00	.00	.00	.00	.06	.05	.00	.00	.13	.09
OTHER MISC BUSINESS SERVICES	.81	1.52	.00	.00	3.17	7.16	.00	.00	1.40	3.71
AUTO REPAIR SERVICES	.01	.00	.00	.00	.00	.00	.00	.00	.11	.06
OTHER REPAIR SERVICE	.10	.06	.00	.00	.06	.08	.00	.00	.36	.25
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.05	.08
MEDICAL AND OTHER HEALTH SERVICES	.02	.00	.00	.00	.12	.07	.00	.00	.30	.35
HOSPITALS	.02	.00	.00	.00	.07	.04	.00	.00	.19	.20
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.05	.03	.00	.00	.10	.15
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.03	.02	.00	.00	.09	.03	.00	.00	.52	.53
NONPROFIT MEMBER ORGANIZATIONS	.06	.05	.00	.00	.10	.08	.00	.00	.03	.02
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.06	.05	.00	.00	.10	.08	.00	.00	.03	.02
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.11	.17	.00	.00	.23	.32	.00	.00	.11	.18
ENGINEERING AND ARCHITECT SERV	.04	.09	.00	.00	.15	.23	.00	.00	.10	.16
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.08	.09	.00	.00	.08	.08	.00	.00	.01	.01
GOVERNMENT PUBLIC ADMINISTRATION	.31	.35	.03	.02	2.87	2.23	.03	.03	5.86	4.98
FEDERAL PUBLIC ADMINISTRATION	.31	.33	.03	.02	2.74	2.04	.00	.00	5.63	4.65
POSTAL SERVICE	.00	.00	.00	.00	.01	.01	.00	.00	.05	.00
OTHER FEDERAL PUBLIC ADMIN	.31	.33	.03	.02	2.73	2.03	.00	.00	5.58	4.65
STATE PUBLIC ADMINISTRATION	.00	.00	.00	.00	.13	.19	.00	.00	.03	.06
LOCAL PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.03	.03	.19	.27

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TOOLMAKERS AND DIEMAKERS		PRINTING TRADES CRAFTSMEN		COMPOSITORS AND TYPESETTERS		ELECTROTYPERS AND STEREOTYPERS		ENGRAVERS EXC PHOTOENGRAVERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.11	.10	.03	.02	.04	.02	.00	.00	.00	.00
METAL MINING	.03	.02	.00	.00	.01	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.07	.06	.03	.01	.03	.01	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.01	.01	.00	.00	.00	.01	.00	.00	.00	.00
CONSTRUCTION	.06	.04	.07	.06	.04	.04	.34	.65	.50	.27
TOTAL MANUFACTURING	98.13	98.52	92.30	90.17	90.58	86.21	97.62	87.17	87.53	90.04
DURABLE GOODS MANUFACTURING	93.52	93.36	4.46	5.12	2.90	3.80	1.92	7.90	34.00	31.30
LUMBER AND WOOD PRODUCTS	.06	.05	.06	.09	.11	.17	.00	.00	.04	.02
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.06	.05	.06	.09	.11	.17	.00	.00	.04	.02
FURNITURE AND FIXTURES	.66	.79	.06	.12	.09	.20	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.71	.83	.10	.13	.02	.01	.00	.00	1.92	2.34
GLASS AND GLASS PRODUCTS	.11	.12	.07	.08	.00	.00	.00	.00	1.42	1.25
CEMENT CONCRETE AND PLASTER	.03	.04	.02	.05	.00	.00	.00	.00	.46	1.06
STRUCTURAL CLAY PRODUCTS	.10	.14	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.08	.08	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.39	.45	.01	.01	.01	.01	.00	.00	.05	.03
PRIMARY METAL INDUSTRIES	4.95	4.67	.14	.14	.14	.17	.00	.00	.49	.47
BLAST FURNACE AND STEEL WORKS	.41	.37	.05	.04	.04	.02	.00	.00	.00	.00
OTHER PRIMARY METAL IND	1.85	1.79	.04	.05	.07	.10	.00	.00	.00	.00
PRIMARY NONFERROUS METAL	2.69	2.51	.04	.05	.03	.05	.00	.00	.49	.47
FABRICATED METAL PRODUCTS NEC	16.16	17.29	1.10	1.21	.34	.51	.00	.53	7.73	6.98
MACHINERY EXCEPT ELECTRICAL	34.11	34.72	.68	.82	.39	.47	1.92	7.38	5.58	4.58
FARM MACHINERY AND EQUIPMENT	.90	1.08	.02	.03	.01	.01	.00	.00	.00	.00
OFFICE MACHINERY	2.59	2.53	.17	.18	.13	.18	.00	.00	1.55	1.16
MISCELLANEOUS MACHINERY	30.63	31.11	.48	.62	.25	.28	1.92	7.38	4.03	3.42
ELECTRICAL MACHINERY	11.84	11.08	.63	.84	.55	.91	.00	.00	3.62	3.82
TRANSPORTATION EQUIPMENT	20.17	19.50	.36	.41	.25	.35	.00	.00	1.05	.94
MOTOR VEHICLES AND EQUIPMENT	13.09	11.81	.05	.05	.04	.05	.00	.00	.00	.00
AIR CRAFT AND ENGINES	6.38	7.18	.27	.33	.17	.26	.00	.00	1.01	.91
SHIP AND BOATBUILDING AND REP	.24	.21	.04	.04	.05	.04	.00	.00	.05	.03
RR AND OTHER TRANSPORT EQUIP	.45	.29	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	2.69	2.34	.40	.36	.37	.31	.00	.00	2.71	2.23
INSTRUMENTS EXCEPT CLOCKS	2.23	1.87	.40	.36	.37	.31	.00	.00	2.71	2.23
WATCHES AND CLOCK DEVICES	.46	.48	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	2.18	2.10	.93	.98	.63	.70	.00	.00	10.85	9.90
NONDURABLE GOODS MANUFACTURING	4.60	5.15	87.84	85.06	87.68	82.41	95.70	79.26	53.53	58.74
FOOD AND KINDRED PRODUCTS	.05	.04	.34	.34	.48	.53	.00	.00	.15	.07
MEAT PRODUCTS	.00	.00	.03	.03	.04	.04	.00	.00	.00	.00
DAIRY PRODUCTS	.01	.01	.03	.03	.05	.07	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.03	.03	.12	.14	.14	.23	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.04	.03	.05	.04	.00	.00	.15	.07
BAKERY PRODUCTS	.00	.00	.03	.03	.05	.05	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.02	.02	.03	.04	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.01	.01	.07	.05	.10	.06	.00	.00	.00	.00
TOBACCO MANUFACTURING	.02	.01	.02	.04	.01	.01	.28	2.25	.00	.00
TEXTILE MILL PRODUCTS	.05	.02	.28	.24	.24	.19	.00	.00	2.95	2.37
APPAREL AND ACCESSORIES	.17	.25	.29	.44	.38	.60	.00	.00	.95	1.27
PAPER AND ALLIED PRODUCTS	.95	.89	3.87	4.48	4.39	5.82	.96	3.75	3.05	2.68
PULP PAPER AND BOARD MILLS	.09	.09	.30	.22	.35	.24	.00	.00	.28	.11
PAPERBOARD CONTAINERS + BOXES	.75	.68	1.89	2.07	2.06	2.66	.34	1.95	.35	.24
ALL OTHER PAPER PRODUCTS	.11	.11	1.67	2.19	1.97	2.93	.42	1.80	2.41	2.33
PRINTING AND PUBLISHING	.25	.31	82.01	78.26	80.86	73.48	94.46	73.26	44.28	49.64
CHEMICALS AND ALLIED PRODUCTS	.26	.17	.42	.43	.61	.62	.00	.00	.00	.00
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	.01	.01	.16	.20	.23	.35	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.01	.01	.05	.04	.07	.06	.00	.00	.00	.00
OTHER CHEMICALS	.25	.15	.22	.19	.30	.21	.00	.00	.00	.00
PETROLEUM REFIN AND COAL PROD	.04	.03	.07	.06	.03	.02	.00	.00	.23	.31
PETROLEUM REFINING	.02	.01	.05	.04	.02	.01	.00	.00	.23	.31
OTHER PETROL AND COAL PRODUCT	.02	.02	.02	.02	.01	.01	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	2.64	3.29	.51	.73	.64	1.07	.00	.00	1.93	2.40
RUBBER PRODUCTS	.41	.38	.11	.08	.15	.10	.00	.00	.25	.13
MISCELLANEOUS PLASTIC PRODUCT	2.23	2.91	.40	.65	.49	.97	.00	.00	1.68	2.26
LEATHER PRODUCTS	.17	.14	.03	.04	.05	.07	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.07	.05	.02	.03	.04	.05	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.10	.09	.01	.01	.02	.02	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	TOOLMAKERS AND DIEMAKERS		PRINTING TRADES CRAFTSMEN		COMPOSITORS AND TYPESETTERS		ELECTROTYPERS AND STEREOTYPERS		ENGRAVERS EXC PHOTOENGRAVERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.30	.22	.30	.40	.39	.51	.74	3.08	.75	1.20
TRANSPORTATION	.15	.09	.15	.18	.20	.25	.00	.00	.62	1.06
RAILROADS	.07	.03	.05	.03	.07	.05	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.03	.03	.01	.01	.01	.02	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.03	.03	.01	.01	.01	.02	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.02	.01	.03	.04	.06	.09	.00	.00	.00	.00
TRUCKING	.02	.01	.03	.04	.06	.09	.00	.00	.00	.00
WAREHOUSING	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.01	.01	.01	.02	.00	.00	.00	.00
AIR TRANSPORTATION	.02	.02	.05	.09	.05	.07	.00	.00	.62	1.06
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.15	.13	.16	.22	.18	.26	.74	3.08	.13	.14
COMMUNICATIONS	.01	.02	.06	.11	.05	.10	.74	3.08	.05	.09
TELEPHONE	.01	.02	.02	.06	.02	.04	.60	2.88	.05	.09
TELEGRAPH	.00	.00	.01	.01	.02	.02	.14	.20	.00	.00
RADIO AND TV	.00	.00	.02	.04	.02	.04	.00	.00	.00	.00
PUBLIC UTILITIES	.14	.12	.10	.11	.13	.16	.00	.00	.08	.05
ELECTRIC GAS AND STEAM	.14	.12	.09	.10	.11	.13	.00	.00	.08	.05
WATER AND IRRIGATION	.00	.00	.01	.01	.01	.03	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.20	.22	1.44	1.86	1.95	3.07	.08	.13	5.57	3.91
WHOLESALE TRADE	.11	.16	.51	.63	.67	.91	.00	.00	1.09	1.37
MOTOR VEHICLES AND EQUIPMENT	.05	.05	.03	.04	.04	.05	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.04	.03	.05	.05	.00	.00	.16	.15
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.01	.00	.08	.09	.09	.11	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.02	.04	.14	.28	.23	.54	.00	.00	.11	.10
MISCELLANEOUS WHOLESALE TRADE	.02	.06	.22	.20	.25	.18	.00	.00	.82	1.12
RETAIL TRADE	.09	.06	.93	1.22	1.28	2.16	.08	.13	4.48	2.54
LUMBER BUILDING AND FARM EQUIP	.00	.00	.01	.01	.01	.01	.00	.00	.10	.06
GENERAL MERCHANDISING	.03	.02	.47	.74	.68	1.32	.00	.00	1.72	1.47
LIMITED PRICE STORES	.00	.00	.02	.02	.04	.04	.00	.00	.05	.02
OTHER GENERAL MERCHANDISING	.03	.02	.44	.72	.64	1.28	.00	.00	1.67	1.45
FOOD AND DAIRY STORES	.01	.00	.09	.15	.16	.29	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.01	.00	.02	.03	.04	.05	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.01	.00	.00	.00	.00	.00	.08	.13	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.01	.01	.34	.30	.39	.49	.00	.00	2.66	1.01
DRUG STORES	.00	.00	.02	.04	.03	.08	.00	.00	.00	.00
OTHER RETAIL STORES	.01	.01	.32	.26	.36	.41	.00	.00	2.66	1.01
FINANCE INSURANCE AND REAL ESTATE	.01	.00	.95	1.04	1.42	1.74	.18	.43	.13	.06
FINANCE	.01	.00	.48	.60	.71	.98	.00	.00	.13	.06
BANKS AND CREDIT AGENCIES	.01	.00	.42	.52	.61	.82	.00	.00	.13	.06
SECURITY AND INVESTMENT SERVICE	.00	.00	.06	.08	.11	.15	.00	.00	.00	.00
INSURANCE	.00	.00	.43	.40	.67	.69	.18	.43	.00	.00
REAL ESTATE	.00	.00	.04	.04	.04	.07	.00	.00	.00	.00
SERVICES	.53	.47	3.09	4.49	4.02	6.36	.88	8.10	1.55	1.47
HOTELS AND OTHER LODGING PLACES	.00	.00	.04	.14	.04	.08	.88	8.10	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.07	.10	.11	.19	.00	.00	.04	.02
LAUNDRY CLEANERS AND VALET	.00	.00	.02	.02	.04	.04	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.05	.08	.07	.15	.00	.00	.04	.02
MISCELLANEOUS BUSINESS SERVICE	.13	.13	1.06	1.25	1.14	1.06	.00	.00	.30	.28
ADVERTISING	.00	.00	.14	.08	.17	.10	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.13	.13	.92	1.18	.97	.96	.00	.00	.30	.28
AUTO REPAIR SERVICES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.18	.15	.01	.00	.00	.00	.00	.00	.28	.03
MOTION PICTURES AND THEATRES	.00	.00	.03	.06	.02	.01	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.02	.03	.03	.06	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.03	.02	.20	.29	.32	.54	.00	.00	.00	.00
HOSPITALS	.03	.02	.12	.11	.19	.19	.00	.00	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.08	.18	.13	.35	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.05	.03	1.00	1.69	1.66	3.28	.00	.00	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.47	.59	.58	.82	.00	.00	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.36	.51	.52	.78	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.11	.08	.06	.04	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.13	.13	.18	.34	.13	.33	.00	.00	.94	1.15
ENGINEERING AND ARCHITECT SERV	.04	.08	.07	.18	.08	.24	.00	.00	.45	.72
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.01	.02	.03	.04	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.09	.06	.09	.15	.03	.05	.00	.00	.49	.42
GOVERNMENT PUBLIC ADMINISTRATION	.65	.43	1.82	1.96	1.57	2.05	.16	.45	3.97	3.05
FEDERAL PUBLIC ADMINISTRATION	.61	.37	1.32	1.38	.90	1.22	.16	.45	3.97	3.05
POSTAL SERVICE	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.60	.36	1.32	1.38	.90	1.22	.16	.45	3.97	3.05
STATE PUBLIC ADMINISTRATION	.03	.04	.24	.24	.28	.28	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	.02	.01	.26	.34	.38	.55	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PHOTOENGRAVERS AND LITHOGRAPHERS		PRESSMEN AND PLATE PRINTERS		TRANSPORT AND PUB UTILITY CRAFTSMEN		LINEMEN AND SERVICEMEN		LOCOMOTIVE ENGINEERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.02	.02	.02	.03	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	.04	.03	.39	.26	.02	.02	3.49	2.83
METAL MINING	.00	.00	.00	.00	.27	.16	.00	.00	2.52	1.77
COAL MINING	.00	.00	.00	.00	.05	.03	.00	.00	.48	.41
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.04	.03	.02	.02	.02	.02	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.05	.05	.00	.00	.49	.64
CONSTRUCTION	.00	.00	.06	.05	2.49	4.06	2.86	4.49	.16	.11
TOTAL MANUFACTURING	95.75	97.08	94.87	93.58	3.44	4.58	3.09	4.26	7.46	8.83
DURABLE GOODS MANUFACTURING	5.64	4.31	2.83	3.23	3.17	4.30	2.91	4.06	6.40	7.52
LUMBER AND WOOD PRODUCTS	.00	.00	.01	.00	.03	.02	.00	.00	.17	.18
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.01	.00	.02	.02	.00	.00	.16	.15
FURNITURE AND FIXTURES	.00	.00	.04	.06	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00	.04	.05	.03	.03	.00	.00	.25	.31
GLASS AND GLASS PRODUCTS	.00	.00	.04	.05	.01	.01	.00	.00	.09	.10
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.01	.01	.00	.00	.08	.07
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.01	.01	.00	.00	.08	.13
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	.15	.09	.06	.07	.52	.49	.06	.07	4.58	5.27
BLAST FURNACE AND STEEL WORKS	.15	.09	.05	.05	.44	.39	.02	.02	4.16	4.62
OTHER PRIMARY METAL IND	.00	.00	.01	.01	.06	.08	.02	.03	.40	.64
PRIMARY NONFERROUS METAL	.00	.00	.01	.01	.02	.02	.02	.02	.02	.01
FABRICATED METAL PRODUCTS NEC	3.18	2.12	.87	1.00	.04	.04	.00	.01	.44	.44
MACHINERY EXCEPT ELECTRICAL	.82	.88	.38	.49	.10	.18	.08	.10	.32	.69
FARM MACHINERY AND EQUIPMENT	.05	.03	.05	.07	.01	.02	.02	.02	.00	.00
OFFICE MACHINERY	.15	.12	.06	.04	.01	.02	.01	.02	.00	.00
MISCELLANEOUS MACHINERY	.62	.73	.28	.38	.08	.15	.05	.06	.32	.69
ELECTRICAL MACHINERY	.45	.38	.44	.49	2.34	3.40	2.70	3.78	.02	.00
TRANSPORTATION EQUIPMENT	.57	.51	.40	.39	.12	.13	.07	.09	.61	.63
MOTOR VEHICLES AND EQUIPMENT	.01	.01	.08	.08	.05	.08	.04	.06	.23	.28
AIR CRAFT AND ENGINES	.40	.41	.32	.31	.00	.00	.00	.00	.00	.00
SHIP AND BOATBUILDING AND REP	.15	.09	.00	.00	.04	.04	.03	.03	.15	.15
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.02	.02	.00	.00	.24	.20
PROF SCIENTIFIC INSTRUMENTS	.22	.17	.21	.25	.00	.00	.00	.00	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.22	.17	.21	.25	.00	.00	.00	.00	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.26	.15	.36	.44	.00	.00	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	90.11	92.77	92.04	90.35	.26	.28	.18	.20	1.07	1.31
FOOD AND KINDRED PRODUCTS	.00	.00	.24	.24	.01	.01	.01	.01	.07	.06
MEAT PRODUCTS	.00	.00	.03	.04	.00	.00	.00	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.10	.10	.01	.01	.01	.01	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
BAKERY PRODUCTS	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.05	.06	.01	.00	.00	.00	.07	.06
TOBACCO MANUFACTURING	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.09	.10	.05	.07	.06	.08	.00	.06
APPAREL AND ACCESSORIES	.00	.00	.14	.25	.00	.00	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.93	.63	4.26	4.52	.04	.04	.00	.00	.41	.57
PULP PAPER AND BOARD MILLS	.15	.10	.29	.27	.02	.02	.00	.00	.22	.30
PAPERBOARD CONTAINERS + BOXES	.49	.20	2.40	2.37	.01	.01	.00	.00	.07	.08
ALL OTHER PAPER PRODUCTS	.29	.32	1.57	1.87	.01	.01	.00	.00	.13	.18
PRINTING AND PUBLISHING	88.99	92.02	86.64	84.45	.03	.03	.03	.03	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.10	.07	.27	.38	.07	.07	.02	.03	.55	.55
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	.00	.00	.10	.09	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.10	.07	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.00	.00	.17	.29	.07	.07	.02	.03	.55	.55
PETROLEUM REFIN AND COAL PROD	.09	.05	.14	.11	.01	.01	.01	.00	.04	.06
PETROLEUM REFINING	.05	.02	.11	.08	.01	.01	.01	.00	.04	.06
OTHER PETROL AND COAL PRODUCT	.05	.03	.03	.04	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.25	.26	.02	.02	.03	.03	.00	.00
RUBBER PRODUCTS	.00	.00	.05	.07	.01	.01	.01	.01	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.20	.19	.01	.02	.02	.02	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.02	.02	.02	.02	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	PHOTOENGRAVERS AND LITHOGRAPHERS		PRESSMEN AND PLATE PRINTERS		TRANSPORT AND PUB UTILITY CRAFTSMEN		LINEMEN AND SERVICEMEN		LOCOMOTIVE ENGINEERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.18	.13	.09	.10	9 ..	88.89	92.48	88.88	88.12	87.28
TRANSPORTATION	.02	.01	.02	.01	13.10	9.74	.94	.82	87.06	86.38
RAILROADS	.02	.01	.02	.01	12.73	9.34	.56	.44	86.55	85.59
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.19	.19	.17	.15	.45	.77
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.18	.19	.16	.14	.45	.77
TAXIS	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.01	.01	.02	.01	.00	.00
TRUCKING	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.04	.07	.05	.08	.00	.00
PIPELINES	.00	.00	.00	.00	.05	.04	.06	.04	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.07	.09	.08	.09	.07	.02
COMMUNICATIONS + PUBLIC UTILITIES	.16	.12	.07	.10	79.17	79.15	91.54	88.05	1.06	.90
COMMUNICATIONS	.00	.00	.04	.07	61.13	64.95	70.74	72.30	.40	.34
TELEPHONE	.00	.00	.00	.00	59.42	63.43	68.76	70.60	.40	.34
TELEGRAPH	.00	.00	.00	.00	1.59	1.33	1.84	1.48	.00	.00
RADIO AND TV	.00	.00	.04	.07	.12	.19	.14	.21	.00	.00
PUBLIC UTILITIES	.16	.12	.03	.03	18.04	14.20	20.80	15.76	.65	.57
ELECTRIC GAS AND STEAM	.16	.12	.03	.03	17.91	13.95	20.66	15.49	.58	.46
WATER AND IRRIGATION	.00	.00	.00	.00	.12	.24	.14	.27	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.01	.01	.00	.00	.07	.10
WHOLESALE AND RETAIL TRADE	.29	.15	.30	.36	.09	.08	.10	.09	.05	.03
WHOLESALE TRADE	.23	.13	.23	.31	.06	.06	.07	.07	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.03	.04	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.17	.10	.05	.07	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.05	.06	.06	.06	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.06	.03	.13	.18	.01	.00	.01	.00	.00	.00
RETAIL TRADE	.05	.02	.07	.05	.03	.02	.03	.02	.05	.03
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00
GENERAL MERCHANDISING	.00	.00	.05	.03	.01	.00	.01	.01	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.05	.03	.01	.00	.01	.01	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.02	.02	.01	.02	.04	.03
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.05	.02	.01	.00	.00	.00	.00	.00	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.05	.02	.01	.00	.00	.00	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.19	.07	.46	.53	.03	.03	.03	.04	.00	.00
FINANCE	.05	.01	.26	.36	.03	.03	.03	.04	.00	.00
BANKS AND CREDIT AGENCIES	.05	.01	.26	.36	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.03	.03	.03	.04	.00	.00
INSURANCE	.09	.04	.18	.15	.00	.00	.00	.00	.00	.00
REAL ESTATE	.04	.01	.02	.02	.00	.00	.00	.00	.00	.00
SERVICES	1.45	1.34	2.18	3.27	.39	1.07	.45	1.18	.04	.07
HOTELS AND OTHER LODGING PLACES	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.09	.04	.01	.01	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.09	.04	.01	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	1.09	1.11	1.07	1.89	.32	1.01	.37	1.13	.00	.00
ADVERTISING	.16	.04	.10	.07	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.93	1.07	.97	1.82	.32	1.01	.37	1.13	.00	.00
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.05	.04	.05	.04	.01	.01
MOTION PICTURES AND THEATRES	.12	.14	.04	.10	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.05	.02	.07	.06	.01	.00	.01	.00	.00	.00
HOSPITALS	.05	.02	.05	.04	.00	.00	.00	.00	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.02	.02	.01	.00	.01	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.10	.03	.20	.16	.01	.00	.01	.00	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.54	.62	.00	.00	.00	.00	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.27	.42	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.27	.20	.00	.00	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.23	.42	.01	.01	.01	.01	.03	.06
ENGINEERING AND ARCHITECT SERV	.00	.00	.03	.06	.01	.01	.01	.01	.03	.06
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.20	.35	.00	.00	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	2.14	1.23	2.00	2.07	.89	1.00	.94	1.02	.68	.86
FEDERAL PUBLIC ADMINISTRATION	1.91	1.07	1.61	1.58	.45	.40	.48	.39	.30	.38
POSTAL SERVICE	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	1.91	1.06	1.60	1.58	.45	.40	.48	.39	.30	.38
STATE PUBLIC ADMINISTRATION	.21	.15	.21	.27	.02	.02	.02	.02	.00	.00
LOCAL PUBLIC ADMINISTRATION	.02	.01	.18	.23	.41	.58	.44	.61	.38	.47

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	LOCOMOTIVE FIREMEN		MECHANICS AND REPAIRMEN		AIRPLANE MECHANICS AND REPAIRMEN		MOTOR VEHICLE MECHANICS		OFFICE MACHINE MECHANICS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100 00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.52	.55	.50	.93	.15	.19	.01	.01
AGRICULTURE	.00	.00	.45	.46	.50	.93	.13	.18	.00	.00
FORESTRY	.00	.00	.06	.07	.00	.00	.02	.01	.00	.00
FISHERIES	.00	.00	.01	.02	.00	.00	.00	.00	.01	.01
MINING	.74	.91	1.31	.97	.10	.11	.17	.14	.00	.00
METAL MINING	.64	.84	.25	.19	.00	.00	.05	.04	.00	.00
COAL MINING	.10	.07	.37	.24	.00	.00	.02	.02	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.40	.29	.07	.08	.04	.03	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.29	.26	.03	.03	.07	.06	.00	.00
CONSTRUCTION	.12	.75	3.84	4.27	.00	.00	.76	.69	.03	.02
TOTAL MANUFACTURING	1.02	3.16	23.51	21.87	27.30	28.07	5.11	4.39	11.74	8.74
DURABLE GOODS MANUFACTURING	.96	3.16	15.18	14.06	27.04	27.79	4.11	3.55	11.38	8.38
LUMBER AND WOOD PRODUCTS	.23	.41	.38	.42	.01	.00	.08	.06	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.04	.04	.00	.00	.02	.02	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.23	.41	.34	.39	.01	.00	.05	.04	.00	.00
FURNITURE AND FIXTURES	.00	.00	.32	.41	.00	.00	.01	.01	.01	.01
STONE CLAY AND GLASS PRODUCTS	.10	.25	.96	1.12	.00	.00	.20	.23	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00	.25	.30	.00	.00	.03	.03	.00	.00
CEMENT CONCRETE AND PLASTER	.10	.25	.44	.53	.00	.00	.14	.17	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.05	.05	.00	.00	.01	.01	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.19	.21	.00	.00	.02	.02	.00	.00
PRIMARY METAL INDUSTRIES	.44	.82	1.72	1.42	.04	.04	.13	.11	.14	.17
BLAST FURNACE AND STEEL WORKS	.44	.82	.87	.69	.01	.00	.07	.06	.08	.04
OTHER PRIMARY METAL IND	.00	.00	.43	.38	.00	.00	.03	.02	.00	.00
PRIMARY NONFERROUS METAL	.00	.00	.42	.35	.03	.03	.03	.03	.07	.13
FABRICATED METAL PRODUCTS NEC	.00	.00	2.30	1.95	1.08	1.06	.15	.13	.37	.45
MACHINERY EXCEPT ELECTRICAL	.15	1.54	2.62	2.31	.37	.45	.32	.26	10.20	6.96
FARM MACHINERY AND EQUIPMENT	.00	.00	.21	.21	.00	.00	.12	.13	.03	.05
OFFICE MACHINERY	.00	.00	.52	.42	.00	.00	.01	.01	10.13	6.88
MISCELLANEOUS MACHINERY	.15	1.54	1.90	1.68	.37	.45	.19	.12	.04	.03
ELECTRICAL MACHINERY	.04	.14	2.16	2.06	.64	1.00	.05	.04	.48	.59
TRANSPORTATION EQUIPMENT	.00	.00	3.80	3.55	24.70	25.04	3.17	2.70	.08	.06
MOTOR VEHICLES AND EQUIPMENT	.00	.00	1.53	1.27	.16	.25	3.02	2.60	.01	.01
AIR CRAFT AND ENGINES	.00	.00	1.69	1.79	24.27	24.53	.08	.04	.07	.05
SHIP AND BOATBUILDING AND REP	.00	.00	.37	.31	.08	.09	.04	.04	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.22	.18	.19	.15	.03	.03	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.51	.45	.20	.19	.00	.00	.04	.04
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.45	.39	.20	.19	.00	.00	.04	.04
WATCHES AND CLOCK DEVICES	.00	.00	.06	.06	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.40	.37	.01	.00	.01	.01	.07	.11
NONDURABLE GOODS MANUFACTURING	.06	.00	8.33	7.81	.26	.28	1.00	.84	.36	.36
FOOD AND KINDRED PRODUCTS	.80	.00	2.27	1.91	.12	.15	.69	.61	.00	.00
MEAT PRODUCTS	.00	.00	.24	.19	.00	.00	.07	.06	.00	.00
DAIRY PRODUCTS	.00	.00	.31	.20	.02	.02	.20	.14	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.44	.38	.00	.00	.02	.02	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.20	.17	.00	.00	.02	.02	.00	.00
BAKERY PRODUCTS	.00	.00	.28	.22	.00	.00	.17	.14	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.37	.36	.10	.12	.09	.08	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.42	.39	.00	.00	.12	.16	.00	.00
TOBACCO MANUFACTURING	.00	.00	.11	.09	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	1.09	.89	.00	.02	.02	.02	.00	.03
APPAREL AND ACCESSORIES	.00	.00	.39	.50	.00	.00	.00	.01	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00	1.03	1.17	.03	.04	.05	.04	.05	.09
PULP PAPER AND BOARD MILLS	.00	.00	.42	.47	.03	.04	.03	.02	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.32	.31	.00	.00	.02	.01	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.29	.39	.00	.00	.01	.01	.05	.09
PRINTING AND PUBLISHING	.00	.00	.47	.42	.00	.00	.03	.01	.29	.23
CHEMICALS AND ALLIED PRODUCTS	.06	.00	1.79	1.72	.01	.00	.10	.09	.01	.01
SYNTHETIC FIBERS	.00	.00	.27	.28	.00	.00	.01	.01	.00	.00
DRUGS AND MEDICINE	.00	.00	.15	.17	.00	.00	.01	.01	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.05	.04	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.06	.00	1.31	1.23	.01	.00	.08	.06	.01	.01
PETROLEUM REFIN AND COAL PROD	.00	.00	.33	.20	.05	.04	.09	.05	.00	.00
PETROLEUM REFINING	.00	.00	.25	.14	.05	.04	.09	.04	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.07	.06	.00	.00	.01	.01	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.67	.70	.05	.04	.01	.01	.00	.00
RUBBER PRODUCTS	.00	.00	.37	.32	.05	.04	.01	.01	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.31	.38	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.00	.00	.20	.21	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.14	.16	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUP[illegible] EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	LOCOMOTIVE FIREMEN		MECHANICS AND REPAIRMEN		AIRPLANE MECHANICS AND REPAIRMEN		MOTOR VEHICLE MECHANICS		OFFICE MACHINE MECHANICS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	97.96	94.39	11.34	10.36	41.24	41.89	8.76	8.04	.29	.27
TRANSPORTATION	97.61	92.86	7.16	4.73	41.20	41.84	7.88	7.14	.09	.07
RAILROADS	97.61	92.86	1.27	.94	.01	.00	.03	.02	.09	.07
LOCAL AND INTERURBAN PASSENGER	.00	.00	1.16	.88	.10	.09	2.61	1.95	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	1.05	.81	.05	.05	2.29	1.74	.00	.00
TAXIS	.00	.00	.11	.08	.04	.04	.31	.22	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	1.90	1.84	.12	.14	5.11	5.06	.00	.00
TRUCKING	.00	.00	1.84	1.79	.10	.11	5.08	5.03	.00	.00
WAREHOUSING	.00	.00	.06	.05	.02	.03	.03	.03	.00	.00
WATER TRANSPORTATION	.00	.00	.14	.14	.20	.29	.02	.02	.00	.00
AIR TRANSPORTATION	.00	.00	2.50	2.77	40.71	41.24	.08	.07	.00	.00
PIPELINES	.00	.00	.09	.06	.02	.03	.01	.01	.00	.00
TRANSPORTATION SERVICES	.00	.00	.10	.10	.04	.05	.02	.02	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.35	1.53	4.18	3.64	.04	.05	.88	.91	.20	.21
COMMUNICATIONS	.04	1.02	.21	.20	.04	.05	.06	.05	.13	.16
TELEPHONE	.04	1.02	.14	.15	.04	.05	.06	.05	.13	.16
TELEGRAPH	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.06	.04	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.31	.51	3.97	3.43	.00	.00	.82	.86	.08	.04
ELECTRIC GAS AND STEAM	.31	.51	2.96	2.15	.00	.00	.55	.46	.08	.04
WATER AND IRRIGATION	.00	.00	.72	.92	.00	.00	.05	.08	.00	.00
SANITARY SERVICES	.00	.00	.29	.36	.00	.00	.22	.31	.00	.00
WHOLESALE AND RETAIL TRADE	.00	.00	26.89	29.83	2.12	2.95	48.89	54.34	68.77	68.96
WHOLESALE TRADE	.00	.00	5.52	6.64	1.09	1.42	1.73	1.69	52.37	57.24
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.38	.40	.00	.00	.74	.73	.00	.00
DRUGS AND CHEMICALS	.00	.00	.05	.04	.02	.02	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.01	.01	.00	.00	.00	.00	.03	.03
GROCERIES AND RELATED	.00	.00	.15	.10	.00	.00	.09	.07	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.55	.51	.19	.34	.01	.01	.32	.53
MACHINERY AND EQUIPMENT	.00	.00	3.51	4.70	.85	1.06	.19	.21	51.70	56.18
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.87	.89	.02	.01	.69	.68	.33	.50
RETAIL TRADE	.00	.00	21.37	23.18	1.03	1.53	47.16	52.64	16.40	11.72
LUMBER BUILDING AND FARM EQUIP	.00	.00	1.61	1.29	.05	.04	.63	.45	.07	.03
GENERAL MERCHANDISING	.00	.00	1.63	1.93	.00	.00	.41	.51	.23	.17
LIMITED PRICE STORES	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	1.61	1.91	.00	.00	.41	.51	.23	.17
FOOD AND DAIRY STORES	.00	.00	.27	.35	.00	.00	.12	.15	.01	.01
AUTO DEALERS AND GAS STATIONS	.00	.00	14.09	15.99	.96	1.49	45.72	51.32	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	11.37	12.90	.96	1.49	36.68	41.06	.00	.00
GAS STATIONS	.00	.00	2.72	3.09	.00	.00	9.05	10.26	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.05	.04	.00	.00	.01	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	1.91	1.73	.00	.00	.01	.01	.08	.03
EATING AND DRINKING PLACES	.00	.00	.33	.38	.00	.00	.03	.03	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	1.48	1.47	.02	.00	.22	.17	16.01	11.49
DRUG STORES	.00	.00	.03	.03	.00	.00	.03	.02	.00	.00
OTHER RETAIL STORES	.00	.00	1.45	1.44	.02	.00	.20	.16	16.01	11.49
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.94	.67	.00	.00	.04	.05	.51	.37
FINANCE	.00	.00	.28	.27	.00	.00	.00	.00	.35	.26
BANKS AND CREDIT AGENCIES	.00	.00	.26	.25	.00	.00	.00	.00	.30	.21
SECURITY AND INVESTMENT SERVICE	.00	.00	.03	.02	.00	.00	.00	.00	.05	.05
INSURANCE	.00	.00	.14	.10	.00	.00	.01	.01	.16	.11
REAL ESTATE	.00	.00	.51	.30	.00	.00	.03	.03	.00	.00
SERVICES	.00	.00	25.14	25.17	2.72	4.39	33.57	29.68	17.94	21.07
HOTELS AND OTHER LODGING PLACES	.00	.00	.73	.72	.00	.00	.02	.02	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.38	.55	.00	.00	.17	.23	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.33	.46	.00	.00	.16	.19	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.05	.09	.00	.00	.01	.04	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	1.94	3.12	.71	1.74	.21	.46	8.38	13.07
ADVERTISING	.00	.00	.07	.05	.00	.00	.00	.00	.03	.02
OTHER MISC BUSINESS SERVICES	.00	.00	1.87	3.08	.71	1.74	.20	.46	8.36	13.05
AUTO REPAIR SERVICES	.00	.00	9.69	8.58	.00	.00	31.96	27.94	.00	.00
OTHER REPAIR SERVICE	.00	.00	5.13	4.86	.54	.56	.52	.33	8.78	7.12
MOTION PICTURES AND THEATRES	.00	.00	.09	.07	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.64	.89	.04	.08	.08	.12	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	1.66	1.51	.00	.00	.07	.06	.00	.00
HOSPITALS	.00	.00	1.40	1.27	.00	.00	.07	.06	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.26	.24	.00	.00	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.00	.00	3.63	3.62	1.24	1.74	.45	.42	.66	.77
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	1.01	.94	.00	.00	.02	.01	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.85	.83	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.16	.11	.00	.00	.02	.01	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.07	.05	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.19	.25	.18	.27	.08	.10	.11	.11
ENGINEERING AND ARCHITECT SERV	.00	.00	.05	.10	.06	.09	.00	.01	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.05	.04
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.13	.14	.13	.18	.07	.09	.06	.07
GOVERNMENT PUBLIC ADMINISTRATION	.16	.78	6.50	6.32	26.03	21.66	2.54	2.48	.71	.55
FEDERAL PUBLIC ADMINISTRATION	.16	.78	3.82	3.39	23.11	18.42	1.09	.93	.50	.41
POSTAL SERVICE	.00	.00	.21	.23	.00	.00	.31	.32	.01	.01
OTHER FEDERAL PUBLIC ADMIN	.16	.78	3.61	3.16	23.11	18.42	.78	.61	.48	.40
STATE PUBLIC ADMINISTRATION	.00	.00	.84	.87	2.89	3.23	.35	.35	.19	.14
LOCAL PUBLIC ADMINISTRATION	.00	.00	1.84	2.06	.03	.01	1.10	1.21	.02	.01

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	RADIO AND TV MECHANICS		RAILROAD AND CAR SHOP MECHANICS		OTHER MECHANICS AND REPAIR		OTHER CRAFTSMEN AND KINDRED		BAKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.10	.14	.00	.00	.80	.79	.23	.22	.00	.00
AGRICULTURE	.00	.00	.00	.00	.69	.65	.17	.15	.00	.00
FORESTRY	.10	.14	.00	.00	.08	.10	.04	.05	.00	.00
FISHERIES	.00	.00	.00	.00	.02	.03	.02	.02	.00	.00
MINING	.12	.14	.19	.19	2.22	1.67	3.36	2.07	.05	.09
METAL MINING	.00	.00	.19	.19	.42	.32	.35	.28	.00	.00
COAL MINING	.03	.02	.00	.00	.64	.43	.25	.12	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.07	.11	.00	.00	.68	.49	2.14	1.08	.05	.09
NONMETALLIC MINING AND QUARRYING	.02	.02	.00	.00	.47	.44	.62	.58	.00	.00
CONSTRUCTION	.64	.69	.07	.08	6.35	7.35	7.89	12.63	.08	.13
TOTAL MANUFACTURING	6.70	7.52	5.47	6.52	35.28	33.24	42.49	39.98	60.60	53.13
DURABLE GOODS MANUFACTURING	6.65	7.44	5.19	6.29	21.08	19.50	26.78	26.64	.20	.25
LUMBER AND WOOD PRODUCTS	.00	.00	.12	.19	.63	.73	2.35	2.58	.04	.05
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.06	.05	.17	.17	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.12	.19	.57	.68	2.18	2.41	.04	.05
FURNITURE AND FIXTURES	.02	.04	.00	.00	.55	.74	4.22	4.22	.10	.12
STONE CLAY AND GLASS PRODUCTS	.04	.07	.00	.00	1.60	1.91	1.18	1.32	.02	.03
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.42	.53	.33	.41	.02	.03
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.71	.88	.43	.55	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.09	.09	.02	.02	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.06	.04	.01	.01	.00	.00
MISC NONMETALLIC AND STONE	.04	.07	.00	.00	.32	.36	.40	.33	.00	.00
PRIMARY METAL INDUSTRIES	.00	.03	1.66	2.26	2.94	2.48	6.04	5.63	.00	.00
BLAST FURNACE AND STEEL WORKS	.00	.00	1.50	1.97	1.47	1.20	4.02	3.55	.00	.00
OTHER PRIMARY METAL IND	.00	.00	.08	.14	.74	.67	1.12	1.18	.00	.00
PRIMARY NONFERROUS METAL	.00	.03	.08	.15	.72	.61	.90	.90	.00	.00
FABRICATED METAL PRODUCTS NEC	.73	.82	.00	.00	3.82	3.27	2.47	2.48	.00	.01
MACHINERY EXCEPT ELECTRICAL	.03	.02	.43	.61	3.92	3.53	2.79	3.17	.00	.00
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.30	.31	.13	.15	.00	.00
OFFICE MACHINERY	.00	.00	.00	.00	.40	.29	.26	.24	.00	.00
MISCELLANEOUS MACHINERY	.03	.02	.43	.61	3.22	2.93	2.40	2.78	.00	.00
ELECTRICAL MACHINERY	3.65	4.32	.00	.00	3.41	3.23	2.24	2.51	.01	.02
TRANSPORTATION EQUIPMENT	2.06	2.01	2.99	3.23	2.63	2.16	2.97	2.31	.01	.01
MOTOR VEHICLES AND EQUIPMENT	.09	.06	.00	.00	1.09	.86	1.14	.80	.00	.00
AIR CRAFT AND ENGINES	.68	.51	.03	.02	.74	.64	.40	.27	.00	.00
SHIP AND BOATBUILDING AND REP	1.26	1.40	.21	.32	.51	.41	.97	.87	.00	.00
RR AND OTHER TRANSPORT EQUIP	.04	.05	2.75	2.88	.29	.24	.47	.37	.01	.01
PROF SCIENTIFIC INSTRUMENTS	.10	.12	.00	.00	.88	.78	1.27	1.24	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.10	.12	.00	.00	.77	.67	1.22	1.18	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.10	.11	.06	.06	.00	.00
MISCELLANEOUS MANUFACTURING	.01	.01	.00	.00	.71	.67	1.23	1.19	.00	.00
NONDURABLE GOODS MANUFACTURING	.05	.09	.27	.23	14.20	13.74	15.72	13.33	60.40	52.88
FOOD AND KINDRED PRODUCTS	.03	.05	.07	.11	3.64	3.13	7.42	5.98	60.38	52.81
MEAT PRODUCTS	.03	.05	.00	.00	.39	.31	.19	.15	.27	.23
DAIRY PRODUCTS	.00	.00	.00	.00	.44	.29	.17	.13	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.77	.69	.16	.12	.09	.03
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.34	.30	.62	.34	.06	.04
BAKERY PRODUCTS	.00	.00	.00	.00	.41	.33	5.35	4.58	59.54	52.40
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.60	.60	.58	.42	.06	.04
OTHER FOOD PRODUCTS	.00	.00	.07	.11	.69	.62	.35	.24	.37	.08
TOBACCO MANUFACTURING	.00	.00	.00	.00	.19	.17	.07	.07	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	1.92	1.61	2.27	1.87	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.69	.91	.92	1.13	.00	.03
PAPER AND ALLIED PRODUCTS	.00	.00	.12	.05	1.79	2.11	.75	.80	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00	.12	.05	.72	.85	.55	.59	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.55	.56	.11	.11	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.51	.70	.09	.09	.00	.00
PRINTING AND PUBLISHING	.00	.01	.00	.00	.80	.75	2.10	1.81	.00	.02
CHEMICALS AND ALLIED PRODUCTS	.00	.00	.04	.04	3.11	3.10	1.22	.96	.01	.01
SYNTHETIC FIBERS	.00	.00	.00	.00	.48	.51	.21	.22	.00	.00
DRUGS AND MEDICINE	.00	.00	.00	.00	.26	.30	.06	.07	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.09	.08	.05	.05	.00	.00
OTHER CHEMICALS	.00	.00	.04	.04	2.28	2.21	.90	.62	.01	.01
PETROLEUM REFIN AND COAL PROD	.02	.02	.04	.04	.52	.34	.55	.32	.01	.01
PETROLEUM REFINING	.02	.02	.04	.04	.40	.22	.50	.29	.01	.01
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.13	.11	.05	.03	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.00	.00	1.18	1.27	.36	.34	.00	.00
RUBBER PRODUCTS	.00	.00	.00	.00	.64	.58	.17	.12	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.54	.69	.19	.22	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.35	.37	.05	.04	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.05	.05	.01	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.24	.28	.03	.02	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.05	.04	.01	.01	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	RADIO AND TV MECHANICS		RAILROAD AND CAR SHOP MECHANICS		OTHER MECHANICS AND REPAIR		OTHER CRAFTSMEN AND KINDRED		BAKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	3.17	2.15	93.56	92.16	9.46	8.31	7.94	6.35	.16	.10
TRANSPORTATION	2.00	1.26	93.56	92.16	2.62	2.27	3.80	2.51	.16	.10
RAILROADS	.18	.16	86.27	85.65	.30	.18	2.28	1.16	.01	.00
LOCAL AND INTERURBAN PASSENGER	.03	.03	6.76	5.81	.52	.43	.19	.09	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.02	.02	6.76	5.81	.49	.41	.18	.09	.00	.00
TAXIS	.01	.01	.00	.00	.03	.01	.01	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.67	.57	.58	.53	.02	.03
TRUCKING	.00	.00	.00	.00	.58	.50	.47	.44	.00	.00
WAREHOUSING	.00	.00	.00	.00	.09	.07	.11	.09	.02	.03
WATER TRANSPORTATION	.03	.03	.00	.00	.21	.21	.36	.41	.11	.05
AIR TRANSPORTATION	1.74	1.02	.00	.00	.62	.64	.14	.15	.02	.03
PIPELINES	.01	.01	.00	.00	.15	.09	.16	.08	.00	.00
TRANSPORTATION SERVICES	.02	.01	.54	.69	.15	.15	.09	.08	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	1.17	.89	.00	.00	6.84	6.05	4.14	3.85	.00	.00
COMMUNICATIONS	.93	.75	.00	.00	.26	.26	.38	.28	.00	.00
TELEPHONE	.24	.29	.00	.00	.18	.20	.17	.09	.00	.00
TELEGRAPH	.08	.05	.00	.00	.03	.01	.04	.03	.00	.00
RADIO AND TV	.61	.41	.00	.00	.05	.05	.17	.15	.00	.00
PUBLIC UTILITIES	.23	.14	.00	.00	6.58	5.79	3.76	3.57	.00	.00
ELECTRIC GAS AND STEAM	.21	.08	.00	.00	4.94	3.66	2.22	1.65	.00	.00
WATER AND IRRIGATION	.02	.06	.00	.00	1.24	1.64	.96	1.30	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.40	.49	.58	.63	.00	.00
WHOLESALE AND RETAIL TRADE	29.33	28.68	.00	.00	15.77	17.13	17.86	17.71	26.71	27.40
WHOLESALE TRADE	1.51	1.30	.00	.00	5.99	7.01	2.62	3.04	.19	.14
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.28	.33	.04	.06	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.09	.08	.03	.02	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.01	.01	.07	.05	.00	.00
GROCERIES AND RELATED	.05	.03	.00	.00	.22	.14	.09	.05	.18	.11
ELECTRIC HARDWARE AND PLUMBING	1.40	1.21	.00	.00	.82	.76	.11	.14	.00	.00
MACHINERY AND EQUIPMENT	.07	.06	.00	.00	3.41	4.49	.70	.90	.01	.02
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.00	.00	1.17	1.21	1.57	1.82	.00	.01
RETAIL TRADE	27.82	27.38	.00	.00	9.78	10.12	15.24	14.66	26.52	27.25
LUMBER BUILDING AND FARM EQUIP	.47	.33	.00	.00	2.48	2.07	1.03	1.02	.00	.01
GENERAL MERCHANDISING	4.85	7.02	.00	.00	2.25	2.62	2.10	1.66	1.88	1.76
LIMITED PRICE STORES	.05	.09	.00	.00	.03	.03	.19	.18	.53	.41
OTHER GENERAL MERCHANDISING	4.81	6.93	.00	.00	2.22	2.59	1.90	1.48	1.36	1.36
FOOD AND DAIRY STORES	.00	.00	.00	.00	.42	.55	1.40	1.15	13.65	9.33
AUTO DEALERS AND GAS STATIONS	.44	.44	.00	.00	.76	.87	.35	.46	.00	.00
AUTO AND ACCESSORY DEALERS	.43	.43	.00	.00	.71	.85	.30	.43	.00	.00
GAS STATIONS	.01	.01	.00	.00	.05	.02	.05	.03	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.09	.08	1.87	1.29	.00	.00
FURNITURE AND APPLIANCES	21.83	19.39	.00	.00	1.54	1.46	3.35	3.69	.01	.02
EATING AND DRINKING PLACES	.01	.01	.00	.00	.57	.68	1.01	1.42	10.87	16.02
MISCELLANEOUS RETAIL STORES	.22	.19	.00	.00	1.67	1.79	4.14	3.96	.10	.12
DRUG STORES	.01	.01	.00	.00	.04	.05	.04	.07	.09	.11
OTHER RETAIL STORES	.21	.19	.00	.00	1.63	1.74	4.10	3.90	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	1.61	1.17	.85	.62	.04	.05
FINANCE	.00	.00	.00	.00	.48	.48	.15	.14	.01	.02
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.44	.44	.10	.10	.01	.02
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.04	.04	.06	.04	.00	.00
INSURANCE	.00	.00	.00	.00	.23	.17	.34	.21	.02	.02
REAL ESTATE	.00	.00	.00	.00	.90	.52	.36	.28	.01	.01
SERVICES	51.07	52.06	.25	.35	21.44	23.22	16.58	17.84	12.02	18.62
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	1.28	1.31	.64	.66	1.63	1.77
OTHER PERSONAL SERVICES	.07	.10	.00	.00	.58	.87	2.59	2.58	.01	.02
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.50	.74	.68	.66	.00	.00
ALL OTHER PERSONAL SERVICES	.07	.10	.00	.00	.08	.13	1.91	1.92	.01	.02
MISCELLANEOUS BUSINESS SERVICE	1.03	2.16	.00	.00	2.76	4.18	2.38	3.66	.00	.00
ADVERTISING	.00	.00	.00	.00	.12	.08	.03	.01	.00	.00
OTHER MISC BUSINESS SERVICES	1.03	2.16	.00	.00	2.64	4.10	2.36	3.65	.00	.00
AUTO REPAIR SERVICES	.15	.15	.00	.00	.32	.35	.40	.52	.00	.00
OTHER REPAIR SERVICE	48.68	48.37	.25	.35	4.24	3.91	2.74	1.93	.00	.00
MOTION PICTURES AND THEATRES	.02	.02	.00	.00	.16	.12	1.78	1.62	.00	.00
MISC ENTERTAINMENT AND RECREATION	.04	.06	.00	.00	1.08	1.56	.13	.20	.42	.66
MEDICAL AND OTHER HEALTH SERVICES	.03	.02	.00	.00	2.90	2.72	2.36	1.95	2.48	2.15
HOSPITALS	.03	.02	.00	.00	2.44	2.28	1.22	.84	2.32	1.92
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.46	.43	1.14	1.11	.16	.23
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.49	.66	.00	.00	6.01	6.10	2.23	2.94	6.68	13.22
NONPROFIT MEMBER ORGANIZATIONS	.42	.37	.00	.00	1.75	1.68	.79	.90	.77	.77
WELFARE AND RELIGIOUS ORGANS	.38	.35	.00	.00	1.47	1.49	.58	.75	.49	.55
OTHER NONPROFIT ORGANIZATIONS	.05	.02	.00	.00	.28	.19	.21	.15	.29	.22
PRIVATE HOUSEHOLD SERVICES	.01	.01	.00	.00	.12	.09	.02	.02	.02	.03
OTHER PROFESSIONAL AND RELAT SERV	.13	.15	.00	.00	.26	.35	.53	.85	.00	.00
ENGINEERING AND ARCHITECT SERV	.04	.07	.00	.00	.09	.17	.33	.64	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.09	.08	.00	.00	.16	.18	.19	.21	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	8.86	8.61	.46	.71	7.08	7.21	2.78	2.58	.35	.48
FEDERAL PUBLIC ADMINISTRATION	6.41	5.62	.36	.61	3.57	3.22	1.50	1.40	.20	.23
POSTAL SERVICE	.00	.01	.00	.00	.21	.24	.35	.41	.00	.00
OTHER FEDERAL PUBLIC ADMIN	6.41	5.61	.36	.61	3.36	2.99	1.15	.99	.20	.23
STATE PUBLIC ADMINISTRATION	1.71	2.24	.00	.00	.91	.86	.75	.76	.05	.05
LOCAL PUBLIC ADMINISTRATION	.74	.75	.10	.09	2.61	3.03	.52	.42	.10	.20

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CABINETMAKERS		CRANEMEN, DERRICKMEN AND HOISTMEN		GLAZIERS		JEWELERS AND WATCHMAKERS		LOOM FIXERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.05	.07	.02	.03	.00	.00	.00	.00
AGRICULTURE	.00	.00	.03	.03	.02	.03	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
MINING	.00	.00	4.49	3.80	.11	.03	.00	.00	.00	.00
METAL MINING	.00	.00	1.46	1.19	.00	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.62	.34	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.27	.15	.00	.00	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	2.15	2.12	.11	.03	.00	.00	.00	.00
CONSTRUCTION	10.05	10.73	16.64	20.10	38.85	44.94	.00	.00	.00	.00
TOTAL MANUFACTURING	52.60	52.59	63.76	58.85	10.57	16.30	26.13	29.18	99.72	99.63
DURABLE GOODS MANUFACTURING	51.35	51.13	59.09	54.44	17.47	15.36	26.13	29.18	.76	1.11
LUMBER AND WOOD PRODUCTS	6.15	5.41	3.17	3.82	4.11	2.27	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.01	.01	.72	.69	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	6.15	5.40	2.45	3.12	4.11	2.27	.00	.00	.00	.00
FURNITURE AND FIXTURES	36.69	38.08	.18	.29	.39	.49	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.12	.15	3.60	4.46	5.69	6.88	.03	.03	.35	.47
GLASS AND GLASS PRODUCTS	.00	.00	.55	.75	5.69	6.88	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.12	.15	2.25	2.93	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.05	.03	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.74	.75	.00	.00	.03	.03	.35	.47
PRIMARY METAL INDUSTRIES	.14	.09	33.07	28.01	.25	.25	.02	.02	.29	.40
BLAST FURNACE AND STEEL WORKS	.09	.04	22.01	17.87	.21	.22	.00	.00	.00	.00
OTHER PRIMARY METAL IND	.05	.04	6.56	6.09	.00	.00	.02	.02	.22	.38
PRIMARY NONFERROUS METAL	.00	.00	4.50	4.05	.03	.02	.00	.00	.07	.01
FABRICATED METAL PRODUCTS NEC	.21	.25	7.21	6.74	4.56	3.02	.71	.94	.00	.24
MACHINERY EXCEPT ELECTRICAL	.37	.44	5.45	5.70	.09	.13	.43	.56	.06	.00
FARM MACHINERY AND EQUIPMENT	.00	.00	.28	.29	.00	.00	.00	.00	.00	.00
OFFICE MACHINERY	.12	.13	.00	.01	.09	.13	.16	.09	.00	.00
MISCELLANEOUS MACHINERY	.26	.31	5.16	5.40	.00	.00	.27	.46	.06	.00
ELECTRICAL MACHINERY	.52	.62	1.40	1.28	.16	.12	.33	.50	.06	.01
TRANSPORTATION EQUIPMENT	4.76	3.63	4.87	4.04	2.19	2.18	.07	.05	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.10	.10	2.08	1.81	1.36	1.39	.00	.00	.00	.00
AIR CRAFT AND ENGINES	.20	.03	.39	.24	.00	.00	.00	.00	.00	.00
SHIP AND BOATBUILDING AND REP	.47	.41	1.51	1.32	.00	.00	.07	.05	.00	.00
RR AND OTHER TRANSPORT EQUIP	3.99	3.09	.88	.67	.82	.79	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.60	.79	.04	.02	.04	.02	.95	1.01	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.58	.77	.04	.02	.04	.02	.09	.09	.00	.00
WATCHES AND CLOCK DEVICES	.02	.02	.00	.00	.00	.00	.85	.91	.00	.00
MISCELLANEOUS MANUFACTURING	1.80	1.68	.10	.09	.00	.00	23.60	26.08	.00	.00
NONDURABLE GOODS MANUFACTURING	1.25	1.46	4.66	4.41	1.10	.94	.00	.00	98.97	98.52
FOOD AND KINDRED PRODUCTS	.10	.08	.67	.61	.15	.15	.00	.00	.00	.00
MEAT PRODUCTS	.00	.00	.02	.02	.15	.15	.00	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.21	.26	.00	.00	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00
BAKERY PRODUCTS	.08	.06	.02	.02	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.04	.07	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.35	.22	.00	.00	.00	.00	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.22	.31	.13	.11	.00	.00	.00	.00	96.14	94.20
APPAREL AND ACCESSORIES	.00	.00	.00	.02	.00	.15	.00	.00	1.58	2.42
PAPER AND ALLIED PRODUCTS	.09	.07	1.69	1.90	.00	.00	.00	.00	.23	.31
PULP PAPER AND BOARD MILLS	.04	.03	1.43	1.57	.00	.00	.00	.00	.23	.31
PAPERBOARD CONTAINERS + BOXES	.05	.03	.23	.29	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.04	.04	.00	.00	.00	.00	.00	.00
PRINTING AND PUBLISHING	.47	.53	.18	.07	.00	.00	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.11	.07	1.34	1.21	.95	.64	.00	.00	.54	.61
SYNTHETIC FIBERS	.00	.00	.09	.08	.00	.00	.00	.00	.42	.59
DRUGS AND MEDICINE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.01	.01	.89	.61	.00	.00	.00	.00
OTHER CHEMICALS	.11	.07	1.24	1.12	.06	.04	.00	.00	.12	.02
PETROLEUM REFIN AND COAL PROD	.01	.01	.48	.35	.00	.00	.00	.00	.00	.00
PETROLEUM REFINING	.01	.01	.36	.28	.00	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.12	.07	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.23	.37	.15	.13	.00	.00	.00	.00	.48	.98
RUBBER PRODUCTS	.00	.00	.10	.05	.00	.00	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.23	.37	.05	.08	.00	.00	.00	.00	.48	.98
LEATHER PRODUCTS	.03	.03	.02	.01	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.03	.03	.02	.01	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CABINETMAKERS		CRANEMEN, DERRICKMEN AND HOISTMEN		GLAZIERS		JEWELERS AND WATCHMAKERS		LOOM FIXERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.37	.28	5.99	6.10	.03	.01	.03	.03	.00	.00
TRANSPORTATION	.32	.19	3.71	3.32	.03	.01	.00	.00	.00	.00
RAILROADS	.19	.08	1.25	.63	.03	.01	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.13	.11	.56	.48	.00	.00	.00	.00	.00	.00
TRUCKING	.02	.02	.48	.40	.00	.00	.00	.00	.00	.00
WAREHOUSING	.11	.09	.08	.07	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	1.76	2.08	.00	.00	.00	.00	.00	.00
AIR TRANSPORTATION	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
PIPELINES	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.10	.09	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.05	.09	2.28	2.79	.00	.00	.03	.03	.00	.00
COMMUNICATIONS	.05	.09	.00	.01	.00	.00	.03	.03	.00	.00
TELEPHONE	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
RADIO AND TV	.05	.09	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.00	.00	2.28	2.78	.00	.00	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.00	.00	1.15	1.04	.00	.00	.00	.00	.00	.00
WATER AND IRRIGATION	.00	.00	.23	.45	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.90	1.29	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	25.77	26.73	6.35	7.99	38.87	35.46	49.78	49.39	.05	.00
WHOLESALE TRADE	1.00	.66	5.70	7.47	8.50	10.26	1.89	1.67	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.11	.10	.02	.03	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.08	.08	.10	.15	.06	.04	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.25	.26	.40	.44	.00	.00	.03	.05	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.56	.21	5.18	6.85	8.44	10.22	1.86	1.62	.00	.00
RETAIL TRADE	24.77	26.07	.64	.51	30.37	25.20	47.89	47.72	.05	.00
LUMBER BUILDING AND FARM EQUIP	1.73	1.30	.45	.45	30.16	25.08	.17	.08	.00	.00
GENERAL MERCHANDISING	1.25	.64	.00	.00	.00	.00	1.83	1.32	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OTHER GENERAL MERCHANDISING	1.25	.64	.00	.00	.00	.00	1.82	1.31	.00	.00
FOOD AND DAIRY STORES	.05	.05	.01	.01	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.13	.07	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	20.10	22.64	.00	.00	.18	.11	.01	.01	.05	.00
EATING AND DRINKING PLACES	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	1.48	1.34	.15	.04	.03	.01	45.87	46.30	.00	.00
DRUG STORES	.01	.01	.00	.00	.00	.00	.02	.01	.00	.00
OTHER RETAIL STORES	1.47	1.34	.15	.04	.03	.01	45.85	46.29	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.21	.23	.11	.15	.43	.44	.00	.00	.00	.00
FINANCE	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.05	.04	.00	.00	.00	.00	.00	.00	.00	.00
REAL ESTATE	.11	.14	.11	.15	.43	.44	.00	.00	.00	.00
SERVICES	9.64	7.93	1.01	2.01	2.87	2.63	23.96	21.29	.23	.36
HOTELS AND OTHER LODGING PLACES	.13	.21	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.70	1.16	.85	1.91	.06	.06	1.04	3.99	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.70	1.16	.85	1.91	.06	.06	1.04	3.99	.00	.00
AUTO REPAIR SERVICES	.00	.00	.00	.00	1.68	1.86	.00	.00	.00	.00
OTHER REPAIR SERVICE	5.60	3.91	.03	.01	.00	.00	22.41	16.24	.23	.36
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.46	.40	.02	.01	.00	.00	.17	.16	.00	.00
HOSPITALS	.43	.37	.02	.01	.00	.00	.09	.08	.00	.00
OTHER MEDICAL AND HEALTH	.03	.03	.00	.00	.00	.00	.08	.08	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	1.46	.69	.01	.01	.92	.55	.09	.09	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	1.28	1.53	.07	.05	.21	.16	.20	.51	.00	.00
WELFARE AND RELIGIOUS ORGANS	1.28	1.53	.00	.00	.00	.00	.20	.51	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.07	.05	.21	.16	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.01	.01	.00	.00	.06	.26	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.01	.01	.00	.00	.06	.26	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	1.36	1.51	1.60	.93	.24	.16	.11	.11	.00	.00
FEDERAL PUBLIC ADMINISTRATION	1.11	1.09	1.13	.68	.07	.04	.06	.07	.00	.00
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	1.11	1.09	1.13	.68	.07	.04	.06	.07	.00	.00
STATE PUBLIC ADMINISTRATION	.07	.12	.01	.01	.00	.00	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	.18	.30	.46	.25	.17	.12	.05	.05	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPTICIANS AND LENS GRINDERS		INSPECTORS,LOG AND LUMBER		INSPECTORS,OTHER		UPHOLSTERERS		CRAFTSMEN AND KINDRED WORKERS NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	1.63	1.47	.89	.99	.00	.00	.26	.25
AGRICULTURE	.00	.00	.00	.00	.87	.96	.00	.00	.20	.18
FORESTRY	.00	.00	1.63	1.47	.00	.00	.00	.00	.03	.05
FISHERIES	.00	.00	.00	.00	.02	.04	.00	.00	.03	.03
MINING	.18	.26	.13	.21	2.04	1.26	.00	.00	5.46	2.96
METAL MINING	.00	.00	.00	.00	.48	.32	.00	.00	.26	.19
COAL MINING	.00	.00	.00	.00	.68	.76	.00	.00	.25	.12
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.13	.21	.59	.54	.00	.00	4.28	2.13
NONMETALLIC MINING AND QUARRYING	.18	.26	.00	.00	.29	.15	.00	.00	.67	.53
CONSTRUCTION	.00	.00	.37	.17	[illegible]	29.58	.67	.68	6.18	13.11
TOTAL MANUFACTURING	38.01	34.55	81.85	78.82	[illegible]	9.53	42.36	40.72	35.81	32.39
DURABLE GOODS MANUFACTURING	37.93	34.44	76.46	[illegible]	9.84	7.78	40.05	37.62	20.65	20.08
LUMBER AND WOOD PRODUCTS	.00	.00	74.28	.03	.04	.04	.11	.05	.39	.57
LOGGING CAMPS AND CONTRACTORS	.00	.00	3.68	2.64	.00	.00	.00	.00	.04	.03
SAWMILLS MILLWORK + MISC WOOD	.00	.00	70.60	68.39	.04	.04	.11	.05	.36	.54
FURNITURE AND FIXTURES	.00	.00	1.29	.53	.00	.01	33.00	32.10	.22	.26
STONE CLAY AND GLASS PRODUCTS	.82	1.24	.26	.22	.10	.08	.02	.02	1.20	.89
GLASS AND GLASS PRODUCTS	.82	1.24	.08	.10	.02	.01	.00	.00	.27	.20
CEMENT CONCRETE AND PLASTER	.00	.00	.16	.12	.07	.07	.00	.00	.26	.21
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.02	.02	.62	.43
PRIMARY METAL INDUSTRIES	.00	.00	.11	.04	6.84	5.21	.00	.00	2.63	2.38
BLAST FURNACE AND STEEL WORKS	.00	.00	.03	.01	6.08	4.62	.00	.00	1.50	1.26
OTHER PRIMARY METAL IND	.00	.00	.04	.02	.60	.50	.00	.00	.47	.49
PRIMARY NONFERROUS METAL	.00	.00	.04	.02	.16	.09	.00	.00	.65	.62
FABRICATED METAL PRODUCTS NEC	.89	1.10	.00	.00	.55	.33	.46	.58	2.83	2.70
MACHINERY EXCEPT ELECTRICAL	.10	.04	.00	.00	.25	.13	1.50	1.43	4.09	4.62
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.04	.04	.00	.00	.19	.22
OFFICE MACHINERY	.00	.00	.00	.00	.02	.03	.00	.00	.52	.68
MISCELLANEOUS MACHINERY	.10	.04	.00	.00	.19	.06	1.50	1.43	3.38	3.92
ELECTRICAL MACHINERY	.75	1.18	.00	.00	.30	.27	.07	.07	4.11	4.46
TRANSPORTATION EQUIPMENT	.00	.00	.39	.55	1.59	1.55	3.54	2.65	3.53	2.49
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.03	.01	.20	.20	1.83	1.04	1.51	.90
AIR CRAFT AND ENGINES	.00	.00	.00	.00	.12	.11	1.41	1.34	.51	.31
SHIP AND BOATBUILDING AND REP	.00	.00	.32	.54	1.06	1.10	.25	.25	1.34	1.16
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.21	.13	.03	.02	.16	.12
PROF SCIENTIFIC INSTRUMENTS	35.34	30.86	.00	.00	.04	.04	.17	.20	1.00	.93
INSTRUMENTS EXCEPT CLOCKS	35.25	30.72	.00	.00	.03	.02	.17	.20	.94	.87
WATCHES AND CLOCK DEVICES	.08	.14	.00	.00	.01	.02	.00	.00	.05	.05
MISCELLANEOUS MANUFACTURING	.03	.01	.21	.20	.12	.12	1.18	.53	.65	.59
NONDURABLE GOODS MANUFACTURING	.08	.12	5.39	6.24	1.80	1.75	2.30	3.11	15.16	12.31
FOOD AND KINDRED PRODUCTS	.00	.00	.34	.52	.34	.27	.04	.03	4.11	2.75
MEAT PRODUCTS	.00	.00	.00	.00	.08	.05	.00	.00	.33	.25
DAIRY PRODUCTS	.00	.00	.00	.00	.02	.01	.00	.00	.36	.27
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.00	.00	.00	.00	.26	.16
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.05	.01	.03	.01	1.27	.71
BAKERY PRODUCTS	.00	.00	.00	.00	.07	.04	.00	.00	.18	.12
BEVERAGE INDUSTRIES	.00	.00	.20	.40	.04	.04	.00	.00	1.17	.83
OTHER FOOD PRODUCTS	.00	.00	.14	.12	.07	.11	.02	.01	.55	.39
TOBACCO MANUFACTURING	.08	.12	.00	.00	.54	.68	.02	.01	.04	.06
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.07	.05	.72	.62	.37	.26
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.03	1.33	2.01	1.69	2.03
PAPER AND ALLIED PRODUCTS	.00	.00	4.95	5.68	.08	.07	.09	.31	.90	.79
PULP PAPER AND BOARD MILLS	.00	.00	4.95	5.68	.05	.04	.00	.00	.57	.50
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.00	.00	.17	.15
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.03	.03	.09	.31	.16	.14
PRINTING AND PUBLISHING	.00	.00	.00	.00	.00	.02	.00	.00	4.28	3.72
CHEMICALS AND ALLIED PRODUCTS	.00	.00	.11	.05	.53	.50	.00	.00	2.02	1.51
SYNTHETIC FIBERS	.00	.00	.00	.00	.01	.01	.00	.00	.40	.42
DRUGS AND MEDICINE	.00	.00	.00	.00	.03	.04	.00	.00	.11	.14
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.03	.03	.00	.00	.06	.06
OTHER CHEMICALS	.00	.00	.11	.05	.48	.42	.00	.00	1.45	.89
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.16	.04	.00	.00	.99	.55
PETROLEUM REFINING	.00	.00	.00	.00	.14	.02	.00	.00	.92	.51
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.02	.02	.00	.00	.07	.04
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.00	.00	.06	.09	.09	.13	.64	.57
RUBBER PRODUCTS	.00	.00	.00	.00	.02	.02	.02	.02	.32	.24
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.04	.07	.08	.12	.32	.33
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.10	.08
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	.00	.00	.05	.04
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPTICIANS AND LENS GRINDERS		INSPECTORS,LOG AND LUMBER		INSPECTORS,OTHER		UPHOLSTERERS		CRAFTSMEN AND KINDRED WORKERS NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	.55	.12	39.44	31.90	1.04	.66	7.95	7.13
TRANSPORTATION	.00	.00	.55	.12	27.18	19.46	.97	.61	2.04	1.56
RAILROADS	.00	.00	.55	.12	22.32	14.75	.57	.25	.45	.27
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	1.52	.93	.18	.15	.11	.06
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	1.50	.92	.18	.15	.10	.05
TAXIS	.00	.00	.00	.00	.02	.01	.00	.00	.01	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	2.37	2.79	.03	.03	.64	.57
TRUCKING	.00	.00	.00	.00	2.17	2.62	.00	.00	.48	.45
WAREHOUSING	.00	.00	.00	.00	.20	.17	.03	.03	.16	.12
WATER TRANSPORTATION	.00	.00	.00	.00	.18	.12	.04	.03	.23	.19
AIR TRANSPORTATION	.00	.00	.00	.00	.24	.37	.15	.15	.22	.24
PIPELINES	.00	.00	.00	.00	.03	.02	.00	.00	.32	.15
TRANSPORTATION SERVICES	.00	.00	.00	.00	.53	.47	.00	.00	.07	.08
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	.00	.00	12.26	12.44	.07	.05	5.91	5.57
COMMUNICATIONS	.00	.00	.00	.00	1.11	.71	.07	.05	.58	.46
TELEPHONE	.00	.00	.00	.00	.83	.51	.07	.05	.20	.12
TELEGRAPH	.00	.00	.00	.00	.27	.20	.00	.00	.04	.03
RADIO AND TV	.00	.00	.00	.00	.01	.01	.00	.00	.35	.31
PUBLIC UTILITIES	.00	.00	.00	.00	11.15	11.73	.00	.00	5.33	5.10
ELECTRIC GAS AND STEAM	.00	.00	.00	.00	4.84	3.47	.00	.00	3.50	2.69
WATER AND IRRIGATION	.00	.00	.00	.00	3.05	4.36	.00	.00	1.42	2.01
SANITARY SERVICES	.00	.00	.00	.00	3.25	3.91	.00	.00	.40	.40
WHOLESALE AND RETAIL TRADE	46.20	44.33	11.32	9.25	7.62	7.18	18.31	22.13	16.98	15.61
WHOLESALE TRADE	8.63	6.32	4.29	3.47	4.25	3.95	.66	.36	2.03	2.32
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.15	.12	.02	.05	.04	.08
DRUGS AND CHEMICALS	.00	.00	.00	.00	.16	.10	.00	.00	.04	.03
DRY GOODS AND APPAREL	.06	.02	.00	.00	.29	.23	.03	.02	.09	.07
GROCERIES AND RELATED	.00	.00	.00	.00	.29	.17	.00	.00	.10	.06
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.10	.04	.00	.00	.18	.24
MACHINERY AND EQUIPMENT	8.53	6.29	.00	.00	.71	1.06	.13	.12	.82	1.25
MISCELLANEOUS WHOLESALE TRADE	.04	.01	4.29	3.47	2.55	2.22	.48	.17	.75	.59
RETAIL TRADE	37.57	38.01	7.04	5.78	3.37	3.23	17.65	21.77	14.96	13.28
LUMBER BUILDING AND FARM EQUIP	.00	.00	7.04	5.78	.09	.08	.02	.01	.36	.28
GENERAL MERCHANDISING	.21	.07	.00	.00	1.67	1.25	1.59	1.52	3.28	2.66
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.30	.30
OTHER GENERAL MERCHANDISING	.21	.07	.00	.00	1.67	1.25	1.59	1.52	2.97	2.36
FOOD AND DAIRY STORES	.00	.00	.00	.00	.68	.99	.00	.00	.28	.59
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.25	.30	2.73	3.03	.37	.59
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.18	.21	2.70	3.02	.27	.54
GAS STATIONS	.00	.00	.00	.00	.06	.09	.02	.01	.10	.05
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.37	.37	.00	.00	3.82	2.66
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.03	.02	13.10	17.08	2.90	2.95
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.11	.08
MISCELLANEOUS RETAIL STORES	37.36	37.94	.00	.00	.28	.23	.22	.13	3.84	3.46
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.07	.12
OTHER RETAIL STORES	37.36	37.94	.00	.00	.28	.23	.22	.13	3.77	3.35
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	3.65	2.66	.05	.03	1.07	.85
FINANCE	.00	.00	.00	.00	.35	.21	.03	.02	.24	.25
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.15	.09	.03	.02	.16	.19
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.20	.12	.00	.00	.08	.06
INSURANCE	.00	.00	.00	.00	3.29	2.44	.00	.00	.13	.11
REAL ESTATE	.00	.00	.00	.00	.02	.01	.02	.01	.69	.50
SERVICES	14.99	19.96	3.95	9.85	17.25	20.90	36.20	34.60	21.36	23.05
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.01	.01	.65	.51	.95	.99
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.62	1.51	5.34	5.25
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.11	.09	1.40	1.38
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.52	1.42	3.93	3.87
MISCELLANEOUS BUSINESS SERVICE	.21	.08	3.95	9.85	5.61	8.41	1.08	3.03	3.34	4.86
ADVERTISING	.00	.00	.00	.00	.02	.01	.00	.00	.05	.02
OTHER MISC BUSINESS SERVICES	.21	.08	3.95	9.85	5.60	8.40	1.08	3.03	3.29	4.84
AUTO REPAIR SERVICES	.03	.00	.00	.00	.00	.00	5.55	5.68	.13	.35
OTHER REPAIR SERVICE	.12	.06	.00	.00	.11	.06	24.84	18.50	.69	.46
MOTION PICTURES AND THEATRES	.14	.15	.00	.00	.25	.16	.09	.03	3.66	3.37
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.03	.08	.06	.05	.18	.29
MEDICAL AND OTHER HEALTH SERVICES	14.46	19.68	.00	.00	9.45	10.40	.32	.24	2.11	1.32
HOSPITALS	1.53	1.98	.00	.00	.23	.27	.32	.24	1.91	1.21
OTHER MEDICAL AND HEALTH	12.93	17.70	.00	.00	9.21	10.13	.00	.00	.20	.10
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
EDUCATIONAL SERVICES	.00	.00	.00	.00	.60	.48	1.07	2.13	2.96	3.35
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.00	.00	.68	.80	1.79	2.77	.97	1.09
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.20	.39	1.79	2.77	.70	.89
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.00	.48	.41	.00	.00	.27	.20
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.01	.01	.03	.03
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.49	.49	.11	.15	1.00	1.68
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.24	.23	.00	.00	.64	1.29
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.25	.26	.11	.15	.34	.38
GOVERNMENT PUBLIC ADMINISTRATION	.66	.89	.22	.10	.01	.01	1.37	1.18	4.93	4.65
FEDERAL PUBLIC ADMINISTRATION	.66	.89	.22	.10	.01	.01	1.24	1.06	2.48	2.38
POSTAL SERVICE	.00	.00	.00	.00	.01	.01	.00	.00	.72	.86
OTHER FEDERAL PUBLIC ADMIN	.66	.89	.22	.10	.00	.00	1.24	1.06	1.75	1.52
STATE PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.11	.10	1.54	1.55
LOCAL PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.03	.02	.92	.73

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPERATIVES AND KINDRED WORKERS		DRIVERS AND DELIVERYMEN		DRIVERS,BUS, TRUCK,TRACTOR		DELIVERYMEN AND ROUTEMEN		TRANSPORT + PUBLIC UTILITY OPERATIVES	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.73	.75	2.57	2.61	3.36	3.38	.34	.41	.03	.04
AGRICULTURE	.69	.69	2.50	2.51	3.26	3.25	.33	.40	.00	.00
FORESTRY	.03	.03	.06	.07	.08	.10	.00	.00	.00	.00
FISHERIES	.02	.02	.01	.02	.02	.03	.01	.01	.03	.04
MINING	1.85	1.31	1.21	1.12	1.60	1.48	.09	.09	.38	.45
METAL MINING	.29	.22	.15	.17	.21	.23	.01	.00	.07	.05
COAL MINING	.59	.27	.25	.18	.34	.24	.00	.00	.04	.05
CRUDE PETROLEUM AND NATURAL GAS	.58	.46	.28	.23	.36	.30	.04	.05	.17	.27
NONMETALLIC MINING AND QUARRYING	.39	.36	.52	.54	.69	.72	.03	.03	.10	.08
CONSTRUCTION	2.94	4.26	6.14	8.18	8.16	10.90	.42	.39	2.08	2.82
TOTAL MANUFACTURING	62.36	60.37	17.89	17.52	14.73	14.84	26.84	25.18	8.20	11.97
DURABLE GOODS MANUFACTURING	32.86	32.93	6.37	7.10	7.89	8.83	2.08	2.12	5.22	6.76
LUMBER AND WOOD PRODUCTS	1.84	1.68	1.37	1.26	1.81	1.65	.13	.15	.35	.52
LOGGING CAMPS AND CONTRACTORS	.12	.12	.52	.49	.70	.66	.02	.02	.02	.01
SAWMILLS MILLWORK + MISC WOOD	1.73	1.57	.85	.77	1.11	.99	.11	.13	.33	.50
FURNITURE AND FIXTURES	1.76	2.09	.36	.54	.43	.62	.17	.32	.06	.11
STONE CLAY AND GLASS PRODUCTS	2.14	2.27	1.85	2.60	2.44	3.43	.17	.23	.31	.51
GLASS AND GLASS PRODUCTS	.72	.75	.09	.09	.11	.12	.01	.01	.06	.09
CEMENT CONCRETE AND PLASTER	.65	.81	1.50	2.20	1.98	2.90	.11	.18	.14	.22
STRUCTURAL CLAY PRODUCTS	.15	.15	.12	.15	.15	.20	.01	.01	.01	.02
POTTERY AND RELATED PRODUCTS	.19	.13	.02	.01	.02	.01	.01	.01	.00	.00
MISC NONMETALLIC AND STONE	.43	.43	.13	.14	.17	.19	.02	.02	.10	.18
PRIMARY METAL INDUSTRIES	3.27	2.99	.65	.59	.80	.72	.22	.21	3.33	4.03
BLAST FURNACE AND STEEL WORKS	1.17	.98	.27	.23	.34	.28	.07	.08	2.73	3.13
OTHER PRIMARY METAL IND	.94	.89	.19	.18	.23	.22	.08	.08	.33	.53
PRIMARY NONFERROUS METAL	1.15	1.12	.18	.18	.22	.22	.07	.06	.26	.37
FABRICATED METAL PRODUCTS NEC	4.73	4.65	.64	.63	.79	.78	.22	.19	.12	.16
MACHINERY EXCEPT ELECTRICAL	5.15	5.42	.42	.43	.48	.49	.26	.25	.24	.38
FARM MACHINERY AND EQUIPMENT	.39	.46	.07	.08	.08	.10	.03	.03	.02	.05
OFFICE MACHINERY	.60	.61	.02	.01	.01	.01	.02	.01	.00	.00
MISCELLANEOUS MACHINERY	4.16	4.34	.34	.33	.38	.38	.21	.21	.22	.33
ELECTRICAL MACHINERY	5.78	5.70	.28	.28	.32	.32	.16	.15	.05	.05
TRANSPORTATION EQUIPMENT	5.39	5.46	.59	.53	.63	.61	.46	.30	.71	.90
MOTOR VEHICLES AND EQUIPMENT	3.06	3.20	.33	.29	.34	.33	.32	.19	.35	.42
AIR CRAFT AND ENGINES	1.33	1.37	.11	.12	.13	.14	.07	.06	.01	.01
SHIP AND BOATBUILDING AND REP	.49	.49	.06	.06	.07	.06	.05	.04	.20	.33
RR AND OTHER TRANSPORT EQUIP	.51	.40	.08	.06	.10	.08	.02	.01	.15	.14
PROF SCIENTIFIC INSTRUMENTS	1.21	1.20	.07	.07	.06	.06	.08	.07	.00	.00
INSTRUMENTS EXCEPT CLOCKS	1.09	1.07	.06	.06	.06	.06	.07	.06	.00	.00
WATCHES AND CLOCK DEVICES	.13	.13	.00	.00	.00	.00	.01	.01	.00	.00
MISCELLANEOUS MANUFACTURING	1.59	1.46	.15	.16	.14	.13	.20	.24	.04	.10
NONDURABLE GOODS MANUFACTURING	29.51	27.44	11.52	10.42	6.84	6.01	24.76	23.06	2.99	5.21
FOOD AND KINDRED PRODUCTS	6.23	5.29	8.90	7.91	4.21	3.64	22.18	20.16	.19	.28
MEAT PRODUCTS	1.51	1.27	.69	.63	.72	.62	.60	.67	.05	.07
DAIRY PRODUCTS	.89	.66	3.01	2.54	.83	.67	9.19	7.89	.00	.00
CANNING PRESERVES + FREEZING	1.02	.93	.33	.33	.35	.34	.28	.30	.04	.07
GRAIN MILL PRODUCTS	.36	.32	.38	.34	.47	.40	.14	.16	.00	.00
BAKERY PRODUCTS	.87	.71	2.37	2.00	.48	.49	7.73	6.35	.02	.03
BEVERAGE INDUSTRIES	.71	.68	1.51	1.49	.80	.59	3.52	4.06	.03	.05
OTHER FOOD PRODUCTS	.86	.73	.60	.59	.56	.54	.73	.74	.06	.07
TOBACCO MANUFACTURING	.31	.19	.02	.02	.02	.01	.03	.03	.00	.00
TEXTILE MILL PRODUCTS	4.70	3.74	.18	.14	.23	.17	.05	.04	.06	.05
APPAREL AND ACCESSORIES	7.85	8.21	.18	.29	.11	.16	.38	.66	.89	2.67
PAPER AND ALLIED PRODUCTS	2.49	2.25	.46	.42	.58	.52	.12	.13	.41	.50
PULP PAPER AND BOARD MILLS	.97	.79	.20	.18	.26	.24	.02	.00	.32	.38
PAPERBOARD CONTAINERS + BOXES	.87	.79	.20	.18	.23	.21	.09	.11	.02	.02
ALL OTHER PAPER PRODUCTS	.66	.67	.07	.06	.08	.07	.02	.02	.08	.10
PRINTING AND PUBLISHING	1.26	1.16	.67	.63	.41	.36	1.40	1.40	.00	.00
CHEMICALS AND ALLIED PRODUCTS	2.41	2.37	.64	.61	.75	.70	.32	.36	.86	1.02
SYNTHETIC FIBERS	.38	.37	.02	.03	.03	.04	.01	.01	.29	.32
DRUGS AND MEDICINE	.24	.22	.04	.04	.04	.04	.05	.05	.00	.00
PAINTS AND VARNISHES AND REL	.16	.13	.03	.03	.04	.03	.01	.02	.00	.00
OTHER CHEMICALS	1.62	1.65	.54	.51	.64	.59	.25	.28	.57	.70
PETROLEUM REFIN AND COAL PROD	.36	.23	.26	.17	.31	.21	.12	.07	.38	.40
PETROLEUM REFINING	.27	.15	.18	.09	.21	.10	.10	.05	.34	.35
OTHER PETROL AND COAL PRODUCT	.09	.08	.08	.08	.10	.11	.02	.02	.04	.05
RUBBER AND MISC PLASTIC PRODUCT	2.20	2.56	.17	.18	.19	.20	.11	.13	.10	.19
RUBBER PRODUCTS	1.07	1.05	.12	.11	.13	.13	.08	.08	.10	.19
MISCELLANEOUS PLASTIC PRODUCT	1.13	1.51	.05	.07	.06	.08	.03	.05	.00	.00
LEATHER PRODUCTS	1.71	1.43	.04	.04	.04	.04	.05	.06	.09	.10
LEATHER TANNING AND FINISHING	.11	.09	.01	.01	.01	.01	.01	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	1.25	1.06	.02	.03	.03	.03	.02	.03	.07	.08
ALL OTHER LEATHER PRODUCTS	.34	.28	.01	.01	.01	.01	.01	.02	.02	.02

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPERATIVES AND KINDRED WORKERS		DRIVERS AND DELIVERYMEN		DRIVERS,BUS, TRUCK,TRACTOR		DELIVERYMEN AND ROUTEMEN		TRANSPORT + PUBLIC UTILITY OPERATIVES	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	9.14	8.88	36.64	35.15	41.99	41.11	21.50	18.04	87.44	82.45
TRANSPORTATION	7.75	7.43	33.75	32.07	38.34	37.17	20.75	17.44	76.27	72.40
RAILROADS	.89	.67	.36	.17	.40	.20	.22	.08	56.54	55.85
LOCAL AND INTERURBAN PASSENGER	1.90	1.80	9.58	8.81	7.00	7.23	16.88	13.35	1.01	.88
LOCAL + INTERURBAN EXC TAXIS	1.11	1.18	5.31	5.52	6.95	7.21	.68	.69	.96	.85
TAXIS	.78	.63	4.27	3.29	.05	.01	16.21	12.67	.05	.03
TRUCKING AND WAREHOUSING	4.47	4.49	23.56	22.83	30.67	29.45	3.42	3.84	.39	.57
TRUCKING	4.30	4.31	23.19	22.39	30.18	28.88	3.38	3.81	.37	.54
WAREHOUSING	.17	.17	.37	.43	.49	.58	.04	.03	.02	.03
WATER TRANSPORTATION	.31	.27	.07	.09	.09	.11	.01	.01	18.21	15.05
AIR TRANSPORTATION	.12	.15	.09	.07	.07	.06	.16	.12	.05	.00
PIPELINES	.02	.01	.01	.01	.02	.01	.00	.00	.02	.02
TRANSPORTATION SERVICES	.04	.04	.08	.09	.10	.11	.05	.04	.04	.03
COMMUNICATIONS + PUBLIC UTILITIES	1.39	1.44	2.89	3.08	3.65	3.94	.75	.60	11.18	10.05
COMMUNICATIONS	.09	.07	.15	.12	.10	.08	.28	.22	.28	.27
TELEPHONE	.06	.04	.12	.10	.09	.08	.19	.17	.28	.27
TELEGRAPH	.02	.01	.02	.01	.00	.00	.09	.04	.00	.00
RADIO AND TV	.02	.02	.01	.01	.01	.00	.00	.01	.00	.00
PUBLIC UTILITIES	1.30	1.38	2.75	2.96	3.55	3.86	.47	.38	10.90	9.78
ELECTRIC GAS AND STEAM	.62	.49	.61	.50	.74	.59	.26	.22	10.51	8.94
WATER AND IRRIGATION	.16	.24	.12	.17	.15	.21	.05	.04	.30	.72
SANITARY SERVICES	.52	.64	2.02	2.30	2.67	3.06	.17	.12	.09	.12
WHOLESALE AND RETAIL TRADE	14.57	14.48	26.22	23.85	21.80	17.38	38.74	42.41	.55	.63
WHOLESALE TRADE	5.44	5.17	14.00	12.41	12.65	9.03	17.83	22.08	.38	.46
MOTOR VEHICLES AND EQUIPMENT	.27	.28	.72	.73	.55	.51	1.18	1.33	.00	.00
DRUGS AND CHEMICALS	.24	.25	.58	.65	.56	.57	.65	.85	.00	.00
DRY GOODS AND APPAREL	.14	.15	.10	.12	.07	.08	.20	.22	.00	.00
GROCERIES AND RELATED	1.66	1.48	3.62	2.97	2.96	1.96	5.49	5.86	.04	.04
ELECTRIC HARDWARE AND PLUMBING	.31	.34	.93	1.11	1.04	1.28	.60	.65	.00	.00
MACHINERY AND EQUIPMENT	.40	.40	1.06	1.18	.88	.84	1.55	2.16	.10	.15
MISCELLANEOUS WHOLESALE TRADE	2.42	2.28	6.99	5.65	6.58	3.79	8.15	11.00	.24	.27
RETAIL TRADE	9.13	9.30	12.22	11.45	9.15	8.35	20.91	20.34	.17	.16
LUMBER BUILDING AND FARM EQUIP	.60	.54	2.15	1.80	2.54	2.10	1.03	.94	.04	.05
GENERAL MERCHANDISING	.78	.82	.99	1.06	.58	.59	2.14	2.41	.00	.00
LIMITED PRICE STORES	.02	.02	.01	.02	.01	.01	.03	.03	.00	.00
OTHER GENERAL MERCHANDISING	.75	.80	.97	1.05	.57	.58	2.11	2.37	.00	.00
FOOD AND DAIRY STORES	2.42	2.42	2.17	1.78	.96	.93	5.62	4.23	.00	.00
AUTO DEALERS AND GAS STATIONS	3.26	3.51	.97	1.12	.85	.95	1.30	1.59	.02	.01
AUTO AND ACCESSORY DEALERS	.44	.56	.61	.70	.46	.54	1.01	1.16	.01	.01
GAS STATIONS	2.82	2.95	.36	.41	.39	.41	.29	.42	.01	.00
APPAREL AND ACCESSORIES	.47	.39	.07	.07	.04	.04	.18	.16	.00	.00
FURNITURE AND APPLIANCES	.40	.42	1.17	1.05	.78	.67	2.29	2.13	.01	.01
EATING AND DRINKING PLACES	.21	.27	.52	.70	.25	.32	1.27	1.76	.00	.00
MISCELLANEOUS RETAIL STORES	1.00	.93	4.18	3.87	3.15	2.74	7.09	7.12	.10	.09
DRUG STORES	.14	.16	.66	.72	.04	.04	2.42	2.64	.00	.00
OTHER RETAIL STORES	.86	.78	3.52	3.16	3.11	2.69	4.67	4.49	.10	.09
FINANCE INSURANCE AND REAL ESTATE	.12	.11	.14	.13	.11	.10	.21	.24	.01	.00
FINANCE	.05	.05	.05	.05	.03	.02	.11	.15	.00	.00
BANKS AND CREDIT AGENCIES	.04	.04	.04	.04	.02	.01	.10	.14	.00	.00
SECURITY AND INVESTMENT SERVICE	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00
INSURANCE	.02	.02	.02	.01	.01	.01	.04	.04	.00	.00
REAL ESTATE	.05	.05	.07	.06	.07	.07	.05	.05	.01	.00
SERVICES	7.24	8.90	7.33	9.55	5.99	8.46	11.13	12.68	.61	.82
HOTELS AND OTHER LODGING PLACES	.18	.22	.05	.06	.04	.05	.07	.10	.00	.00
OTHER PERSONAL SERVICES	2.78	3.00	2.39	2.65	.70	.52	7.18	8.75	.00	.00
LAUNDRY CLEANERS AND VALET	2.40	2.55	2.26	2.49	.68	.50	6.73	8.20	.00	.00
ALL OTHER PERSONAL SERVICES	.38	.45	.13	.16	.01	.02	.45	.55	.00	.00
MISCELLANEOUS BUSINESS SERVICE	1.16	1.97	.80	1.25	.68	1.26	1.16	1.22	.02	.01
ADVERTISING	.04	.04	.04	.03	.01	.01	.11	.10	.00	.00
OTHER MISC BUSINESS SERVICES	1.12	1.94	.77	1.22	.67	1.25	1.05	1.11	.02	.01
AUTO REPAIR SERVICES	.52	.68	.26	.44	.25	.44	.29	.45	.00	.00
OTHER REPAIR SERVICE	.48	.50	.13	.14	.11	.10	.18	.25	.00	.00
MOTION PICTURES AND THEATRES	.08	.07	.04	.04	.03	.03	.06	.05	.00	.00
MISC ENTERTAINMENT AND RECREATION	.08	.12	.06	.09	.07	.11	.03	.04	.11	.17
MEDICAL AND OTHER HEALTH SERVICES	.70	.68	.30	.17	.17	.11	.67	.36	.40	.55
HOSPITALS	.59	.59	.20	.11	.11	.08	.43	.21	.37	.53
OTHER MEDICAL AND HEALTH	.11	.09	.10	.06	.05	.03	.24	.16	.03	.02
LEGAL SERVICE	.00	.00	.00	.01	.00	.00	.02	.02	.00	.00
EDUCATIONAL SERVICES	.79	1.14	2.64	4.03	3.43	5.24	.43	.56	.02	.01
NONPROFIT MEMB. ORGANIZATIONS	.30	.31	.41	.45	.49	.55	.18	.16	.03	.03
WELFARE AND RELIGIOUS ORGANS	.25	.27	.35	.41	.44	.51	.12	.11	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.05	.04	.05	.04	.05	.04	.06	.05	.03	.03
PRIVATE HOUSEHOLD SERVICES	.06	.04	.22	.17	.01	.00	.82	.66	.01	.01
OTHER PROFESSIONAL AND RELAT SERV	.12	.15	.03	.04	.03	.04	.05	.06	.03	.04
ENGINEERING AND ARCHITECT SERV	.04	.08	.02	.03	.02	.03	.02	.04	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.07	.07	.02	.01	.01	.01	.03	.03	.03	.04
GOVERNMENT PUBLIC ADMINISTRATION	1.04	.96	1.86	1.88	2.26	2.34	.73	.55	.70	.82
FEDERAL PUBLIC ADMINISTRATION	.61	.49	.85	.81	1.02	1.03	.35	.21	.48	.46
POSTAL SERVICE	.06	.07	.24	.29	.32	.40	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.54	.43	.61	.52	.69	.63	.35	.21	.48	.46
STATE PUBLIC ADMINISTRATION	.08	.09	.08	.06	.09	.07	.04	.04	.10	.15
LOCAL PUBLIC ADMINISTRATION	.35	.38	.94	1.00	1.15	1.25	.34	.30	.13	.21

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	BRAKEMEN AND SWITCHMEN, RAILROAD		POWER STATION OPERATORS		SAILORS AND DECK HANDS		SEMISKILLED METAL-WORKING OCCUPATION		FURNACEMEN, SMELTERERS, AND POURERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.14	.21	.04	.05	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.04	.05	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.14	.21	.00	.00	.00	.00
MINING	.23	.21	.23	.12	.91	1.49	.59	.54	.60	.69
METAL MINING	.10	.06	.03	.04	.00	.00	.19	.18	.60	.69
COAL MINING	.06	.08	.00	.00	.01	.01	.14	.10	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.02	.02	.00	.00	.72	1.33	.12	.10	.00	.00
NONMETALLIC MINING AND QUARRYING	.04	.05	.20	.09	.18	.15	.14	.16	.00	.00
CONSTRUCTION	.01	.01	2.27	2.70	7.79	11.81	2.75	3.55	.00	.00
TOTAL MANUFACTURING	6.00	7.14	23.74	35.81	2.93	5.12	91.73	90.86	99.09	98.90
DURABLE GOODS MANUFACTURING	5.54	6.64	8.72	11.18	1.69	3.06	90.53	89.61	98.77	98.54
LUMBER AND WOOD PRODUCTS	.14	.19	1.41	2.00	.15	.19	.09	.12	.00	.00
LOGGING CAMPS AND CONTRACTORS	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.11	.16	1.41	2.00	.15	.19	.09	.12	.00	.00
FURNITURE AND FIXTURES	.00	.00	.33	.42	.00	.00	.45	.42	.00	.00
STONE CLAY AND GLASS PRODUCTS	.14	.17	.77	1.15	.46	1.00	.38	.49	1.13	1.76
GLASS AND GLASS PRODUCTS	.00	.00	.38	.50	.00	.00	.05	.06	.22	.38
CEMENT CONCRETE AND PLASTER	.05	.02	.20	.30	.33	.76	.23	.32	.00	.00
STRUCTURAL CLAY PRODUCTS	.01	.03	.00	.00	.00	.00	.02	.03	.04	.04
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.01	.12	.13
MISC NONMETALLIC AND STONE	.07	.12	.20	.35	.13	.24	.07	.08	.74	1.22
PRIMARY METAL INDUSTRIES	4.49	5.26	3.17	4.00	.15	.20	6.15	5.59	73.19	70.91
BLAST FURNACE AND STEEL WORKS	3.88	4.36	1.81	2.10	.15	.20	4.34	1.99	35.20	32.55
OTHER PRIMARY METAL IND	.39	.60	.57	.84	.00	.00	1.95	1.84	16.25	15.95
PRIMARY NONFERROUS METAL	.21	.29	.79	1.06	.00	.00	1.86	1.76	21.75	22.41
FABRICATED METAL PRODUCTS NEC	.20	.22	.00	.11	.00	.00	15.88	15.83	10.40	11.89
MACHINERY EXCEPT ELECTRICAL	.14	.32	.93	1.01	.00	.00	19.44	20.18	6.50	7.07
FARM MACHINERY AND EQUIPMENT	.00	.00	.13	.26	.00	.00	1.26	1.47	.72	.95
OFFICE MACHINERY	.00	.00	.00	.00	.00	.00	2.48	2.79	.27	.35
MISCELLANEOUS MACHINERY	.14	.32	.80	.75	.00	.00	15.70	15.92	5.51	5.78
ELECTRICAL MACHINERY	.04	.03	.20	.14	.00	.00	19.60	19.40	3.19	2.58
TRANSPORTATION EQUIPMENT	.40	.43	1.63	1.62	.91	1.64	22.59	21.40	3.88	3.63
MOTOR VEHICLES AND EQUIPMENT	.19	.25	1.39	1.49	.82	.81	14.42	13.74	2.34	2.07
AIR CRAFT AND ENGINES	.01	.01	.05	.02	.00	.00	4.63	4.61	.75	.79
SHIP AND BOATBUILDING AND REP	.00	.00	.03	.02	.90	1.64	1.86	1.80	.31	.36
RR AND OTHER TRANSPORT EQUIP	.20	.19	.16	.13	.00	.00	1.67	1.25	.48	.41
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.00	.00	.00	.00	3.43	3.47	.17	.22
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.00	.00	.00	.00	3.13	3.16	.17	.22
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.30	.32	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.25	.53	.02	.02	2.52	2.51	.31	.48
NONDURABLE GOODS MANUFACTURING	.46	.50	15.02	24.63	1.23	2.07	1.20	1.24	.32	.36
FOOD AND KINDRED PRODUCTS	.09	.09	.86	1.22	.00	.00	.16	.14	.00	.00
MEAT PRODUCTS	.01	.01	.26	.36	.00	.00	.03	.03	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.01	.02	.19	.31	.00	.00	.02	.02	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
BAKERY PRODUCTS	.00	.00	.11	.16	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.17	.26	.00	.00	.02	.02	.00	.00
OTHER FOOD PRODUCTS	.06	.06	.13	.14	.00	.00	.07	.06	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.40	.27	.00	.00	.06	.06	.00	.02
APPAREL AND ACCESSORIES	.00	.00	5.47	13.96	.00	.60	.03	.06	.00	.00
PAPER AND ALLIED PRODUCTS	.16	.22	1.95	2.00	.00	.00	.20	.22	.00	.00
PULP PAPER AND BOARD MILLS	.16	.22	1.34	1.33	.00	.00	.16	.17	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.11	.10	.00	.00	.02	.01	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.50	.56	.00	.00	.03	.03	.00	.00
PRINTING AND PUBLISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.12	.09	4.60	4.95	.17	.33	.47	.50	.32	.34
SYNTHETIC FIBERS	.00	.00	1.77	1.77	.00	.00	.06	.07	.00	.00
DRUGS AND MEDICINE	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.12	.09	2.83	3.18	.17	.33	.40	.40	.32	.34
PETROLEUM REFIN AND COAL PROD	.09	.10	.38	.44	1.06	1.14	.14	.09	.00	.00
PETROLEUM REFINING	.05	.05	.38	.44	.97	1.03	.12	.07	.00	.00
OTHER PETROL AND COAL PRODUCT	.04	.05	.00	.00	.09	.10	.02	.02	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.60	1.05	.00	.00	.12	.16	.00	.00
RUBBER PRODUCTS	.00	.00	.60	1.05	.00	.00	.07	.08	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.05	.08	.00	.00
LEATHER PRODUCTS	.00	.00	.55	.54	.00	.00	.01	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.43	.41	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.13	.13	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	BRAKEMEN AND SWITCHMEN, RAILROAD		POWER STATION OPERATORS		SAILORS AND DECK HANDS		SEMISKILLED METAL-WORKING OCCUPATION		FURNACEMEN, SMELTERERS, AND POURERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	93.15	92.03	68.97	55.75	84.96	77.00	.95	.81	.10	.08
TRANSPORTATION	92.60	91.53	2.88	3.10	84.37	76.33	.49	.41	.10	.08
RAILROADS	90.68	89.61	.45	.32	1.25	.97	.25	.16	.10	.08
LOCAL AND INTERURBAN PASSENGER	1.26	.97	1.07	1.10	.26	.36	.03	.03	.00	.00
LOCAL + INTERURBAN EXC TAXIS	1.18	.93	1.07	1.10	.26	.36	.03	.02	.00	.00
TAXIS	.08	.05	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.60	.87	.00	.00	.11	.15	.12	.11	.00	.00
TRUCKING	.60	.87	.00	.00	.00	.00	.12	.11	.00	.00
WAREHOUSING	.00	.00	.00	.00	.11	.15	.00	.00	.00	.00
WATER TRANSPORTATION	.06	.08	1.27	1.61	82.30	74.63	.04	.04	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.23	.01	.05	.06	.00	.00
PIPELINES	.00	.00	.10	.06	.04	.03	.01	.01	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.19	.17	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.55	.50	66.09	52.65	.59	.67	.46	.40	.00	.00
COMMUNICATIONS	.45	.43	.00	.00	.00	.00	.01	.01	.00	.00
TELEPHONE	.45	.43	.00	.00	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.10	.07	66.09	52.65	.59	.67	.45	.39	.00	.00
ELECTRIC GAS AND STEAM	.10	.07	64.14	48.55	.25	.20	.43	.36	.00	.00
WATER AND IRRIGATION	.00	.00	1.82	3.96	.00	.00	.01	.02	.00	.00
SANITARY SERVICES	.00	.00	.13	.14	.34	.46	.01	.01	.00	.00
WHOLESALE AND RETAIL TRADE	.36	.41	.07	.02	1.46	1.87	1.29	1.32	.06	.01
WHOLESALE TRADE	.19	.25	.00	.00	1.20	1.56	1.06	1.07	.03	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.06	.08	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.18	.22	.01	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.47	.75	.34	.38	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.19	.25	.00	.00	.55	.59	.61	.58	.03	.00
RETAIL TRADE	.17	.16	.07	.02	.26	.30	.23	.25	.02	.01
LUMBER BUILDING AND FARM EQUIP	.01	.01	.00	.00	.15	.21	.12	.13	.00	.00
GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.01	.01	.00	.00	.04	.02	.07	.08	.02	.01
AUTO AND ACCESSORY DEALERS	.01	.01	.00	.00	.00	.00	.07	.08	.02	.01
GAS STATIONS	.00	.00	.00	.00	.04	.02	.01	.01	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.02	.02	.00	.00	.00	.00	.01	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.13	.12	.07	.02	.07	.07	.03	.03	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.13	.12	.07	.02	.07	.07	.03	.03	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.03	.01	.00	.00	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
REAL ESTATE	.00	.00	.00	.00	.03	.01	.00	.00	.00	.00
SERVICES	.00	.00	2.68	3.14	.80	1.26	2.37	2.63	.12	.30
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.12	.08	.00	.00	.15	.34	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.00	.00	.12	.08	.00	.00	.14	.33	.00	.00
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.17	.23	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.00	.00	1.92	1.89	.05	.08
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.50	.87	.01	.01	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	2.45	3.03	.00	.00	.02	.02	.00	.00
HOSPITALS	.00	.00	2.27	2.90	.00	.00	.02	.02	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.18	.12	.00	.00	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.00	.00	.10	.04	.00	.00	.05	.07	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.00	.00	.12	.15	.02	.01	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.00	.12	.15	.02	.01	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.04	.04	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.14	.19	.02	.04	.06	.22
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.02	.04	.06	.22
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.14	.19	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.26	.20	2.04	2.47	.98	1.23	.28	.23	.03	.01
FEDERAL PUBLIC ADMINISTRATION	.26	.20	1.23	1.33	.54	.48	.24	.21	.03	.01
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.26	.20	1.23	1.33	.54	.48	.24	.21	.03	.01
STATE PUBLIC ADMINISTRATION	.00	.00	.08	.05	.39	.70	.02	.01	.00	.00
LOCAL PUBLIC ADMINISTRATION	.00	.00	.73	1.09	.05	.06	.02	.01	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	HEATERS,METAL		WELDERS AND FLAME CUTTERS		ASSEMBLERS,METAL-WORKING CLASS A		ASSEMBLERS,METAL-WORKING CLASS B		INSPECTORS,METAL-WORKING CLASS B	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.13	.18	.00	.00	.00	.00	.00	.00
AGRICULTURE	.00	.00	.13	.18	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	2.02	1.73	.00	.00	.00	.00	.00	.00
METAL MINING	.00	.00	.59	.54	.00	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.48	.33	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.44	.35	.00	.00	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.51	.52	.00	.00	.00	.00	.00	.00
CONSTRUCTION	.00	.00	9.72	11.79	.00	.00	.00	.00	.00	.00
TOTAL MANUFACTURING	99.53	99.74	70.86	69.78	100.00	100.00	100.00	100.00	100.00	100.00
DURABLE GOODS MANUFACTURING	99.19	99.27	66.65	65.70	100.00	100.00	100.00	100.00	100.00	100.00
LUMBER AND WOOD PRODUCTS	.00	.00	.32	.40	.00	.00	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.32	.39	.00	.00	.00	.00	.00	.00
FURNITURE AND FIXTURES	.00	.00	1.59	2.07	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00	1.23	1.46	.00	.00	.00	.00	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00	.16	.15	.00	.00	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.81	1.06	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.08	.08	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.15	.14	.00	.00	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	79.31	81.40	6.37	5.52	.81	.75	.95	.89	7.05	6.73
BLAST FURNACE AND STEEL WORKS	48.86	45.57	2.99	2.44	.10	.07	.13	.11	1.07	.93
OTHER PRIMARY METAL IND	25.54	29.79	2.28	2.09	.26	.24	.30	.28	2.60	2.50
PRIMARY NONFERROUS METAL	4.90	6.04	1.10	.99	.46	.44	.52	.50	3.38	3.30
FABRICATED METAL PRODUCTS NEC	5.25	4.26	17.20	15.95	8.65	8.96	10.19	9.93	18.67	19.46
MACHINERY EXCEPT ELECTRICAL	4.41	5.13	14.75	16.60	31.99	34.25	17.13	18.48	12.69	12.37
FARM MACHINERY AND EQUIPMENT	.16	.26	1.66	1.93	.74	.90	.95	1.14	.93	1.03
OFFICE MACHINERY	.00	.00	.28	.19	1.85	2.53	4.74	6.02	2.27	2.36
MISCELLANEOUS MACHINERY	4.25	4.88	12.81	14.48	29.41	30.81	11.45	11.33	9.49	8.99
ELECTRICAL MACHINERY	.00	.00	6.70	6.52	29.54	27.28	33.23	33.72	28.74	28.27
TRANSPORTATION EQUIPMENT	10.22	8.48	17.25	16.04	14.13	14.20	29.56	28.04	24.58	24.53
MOTOR VEHICLES AND EQUIPMENT	5.41	3.96	6.91	7.57	1.64	2.16	22.96	21.43	16.54	16.06
AIR CRAFT AND ENGINES	1.74	2.06	1.59	1.40	9.89	9.83	5.15	5.33	7.03	7.56
SHIP AND BOATBUILDING AND REP	.51	.36	5.67	5.08	.59	.58	.33	.36	.31	.34
RR AND OTHER TRANSPORT EQUIP	2.56	2.11	3.08	1.99	2.01	1.64	1.13	.92	.69	.57
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.47	.37	14.88	14.55	3.89	3.97	4.62	4.84
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.44	.34	13.42	13.12	3.49	3.53	4.32	4.52
WATCHES AND CLOCK DEVICES	.00	.00	.03	.03	1.46	1.43	.40	.44	.29	.32
MISCELLANEOUS MANUFACTURING	.00	.00	.78	.78	.00	.00	5.04	4.96	3.65	3.79
NONDURABLE GOODS MANUFACTURING	.34	.48	4.21	4.08	.00	.00	.00	.00	.00	.00
FOOD AND KINDRED PRODUCTS	.00	.00	.56	.47	.00	.00	.00	.00	.00	.00
MEAT PRODUCTS	.00	.00	.12	.10	.00	.00	.00	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.08	.07	.00	.00	.00	.00	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.05	.04	.00	.00	.00	.00	.00	.00
BAKERY PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.06	.05	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.24	.20	.00	.00	.00	.00	.00	.00
TOBACCO MANUFACTURING	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.23	.21	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.11	.19	.00	.00	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00	.71	.72	.00	.00	.00	.00	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00	.55	.56	.00	.00	.00	.00	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.10	.11	.00	.00	.00	.00	.00	.00
PRINTING AND PUBLISHING	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.00	.00	1.63	1.61	.00	.00	.00	.00	.00	.00
SYNTHETIC FIBERS	.00	.00	.20	.24	.00	.00	.00	.00	.00	.00
DRUGS AND MEDICINE	.00	.00	.04	.05	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.00	.00	1.37	1.31	.00	.00	.00	.00	.00	.00
PETROLEUM REFIN AND COAL PROD	.00	.00	.49	.29	.00	.00	.00	.00	.00	.00
PETROLEUM REFINING	.00	.00	.44	.23	.00	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.34	.48	.42	.53	.00	.00	.00	.00	.00	.00
RUBBER PRODUCTS	.34	.48	.24	.27	.00	.00	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.18	.26	.00	.00	.00	.00	.00	.00
LEATHER PRODUCT	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	HEATERS,METAL		WELDERS AND FLAME CUTTERS		ASSEMBLERS,METAL-WORKING CLASS A		ASSEMBLERS,METAL-WORKING CLASS B		INSPECTORS,METAL-WORKING CLASS B	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.14	.08	3.36	2.68	.00	.00	.00	.00	.00	.00
TRANSPORTATION	.14	.08	1.74	1.34	.00	.00	.00	.00	.00	.00
RAILROADS	.14	.08	.87	.52	.00	.00	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.09	.09	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.09	.08	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.43	.37	.00	.00	.00	.00	.00	.00
TRUCKING	.00	.00	.43	.36	.00	.00	.00	.00	.00	.00
WAREHOUSING	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.13	.15	.00	.00	.00	.00	.00	.00
AIR TRANSPORTATION	.00	.00	.17	.20	.00	.00	.00	.00	.00	.00
PIPELINES	.00	.00	.04	.02	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	1.62	1.33	.00	.00	.00	.00	.00	.00
COMMUNICATIONS	.00	.00	.03	.03	.00	.00	.00	.00	.00	.00
TELEPHONE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.00	.00	1.59	1.31	.00	.00	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.00	.00	1.51	1.20	.00	.00	.00	.00	.00	.00
WATER AND IRRIGATION	.00	.00	.04	.06	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.34	.18	4.57	4.38	.00	.00	.00	.00	.00	.00
WHOLESALE TRADE	.19	.09	3.75	3.56	.00	.00	.00	.00	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.23	.26	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.15	.12	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	1.21	1.27	.00	.00	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.19	.09	2.13	1.91	.00	.00	.00	.00	.00	.00
RETAIL TRADE	.15	.09	.81	.82	.00	.00	.00	.00	.00	.00
LUMBER BUILDING AND FARM EQUIP	.00	.00	.42	.42	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
FOOD AND DAIRY STORES	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.15	.09	.25	.28	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.15	.09	.23	.26	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	.11	.11	.00	.00	.00	.00	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.00	.00	.11	.11	.00	.00	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICES	.00	.00	8.37	8.70	.00	.00	.00	.00	.00	.00
HOTELS AND OTHER LODGING PLACES	.00	.00	.03	.02	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.02	.02	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.51	1.11	.00	.00	.00	.00	.00	.00
ADVERTISING	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.00	.00	.51	1.10	.00	.00	.00	.00	.00	.00
AUTO REPAIR SERVICES	.00	.00	.61	.78	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	6.77	6.27	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	.08	.07	.00	.00	.00	.00	.00	.00
HOSPITALS	.00	.00	.08	.07	.00	.00	.00	.00	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.00	.00	.19	.22	.00	.00	.00	.00	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.06	.05	.00	.00	.00	.00	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.06	.05	.00	.00	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.07	.12	.00	.00	.00	.00	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.05	.11	.00	.00	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.00	.00	.98	.76	.00	.00	.00	.00	.00	.00
FEDERAL PUBLIC ADMINISTRATION	.00	.00	.85	.69	.00	.00	.00	.00	.00	.00
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.00	.00	.85	.69	.00	.00	.00	.00	.00	.00
STATE PUBLIC ADMINISTRATION	.00	.00	.06	.05	.00	.00	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	.00	.00	.08	.03	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	MACHINE TOOL OPERATORS CLASS B		ELECTROPLATERS		ELECTROPLATER HELPERS		SEMISKILLED TEXTILE OCCUPATIONS		KNITTERS, LOOPERS, AND TOPPERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
METAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COAL MINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONSTRUCTION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL MANUFACTURING	100.00	100.00	100.00	100.00	100.00	100.00	99.92	99.94	100.00	100.00
DURABLE GOODS MANUFACTURING	100.00	100.00	100.00	100.00	100.00	100.00	4.23	4.00	.00	.00
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.07	.06	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.00	.00	.07	.06	.00	.00
FURNITURE AND FIXTURES	.00	.00	.00	.00	.00	.00	1.70	1.69	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.06	.04	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.03	.01	.00	.00
PRIMARY METAL INDUSTRIES	2.93	2.99	1.59	1.73	1.88	1.70	.03	.02	.00	.00
BLAST FURNACE AND STEEL WORKS	.00	.00	.00	.04	.19	.10	.00	.00	.00	.00
OTHER PRIMARY METAL IND	1.62	1.69	.00	.06	.20	.11	.02	.01	.00	.00
PRIMARY NONFERROUS METAL	1.31	1.34	1.59	1.63	1.49	1.49	.01	.00	.00	.00
FABRICATED METAL PRODUCTS NEC	20.40	22.44	63.03	63.47	62.86	63.72	.09	.08	.00	.00
MACHINERY EXCEPT ELECTRICAL	36.01	34.69	5.17	4.86	5.01	4.88	.07	.05	.00	.00
FARM MACHINERY AND EQUIPMENT	1.94	2.17	.00	.00	.00	.00	.01	.01	.00	.00
OFFICE MACHINERY	2.93	2.55	3.06	2.66	2.57	2.04	.00	.00	.00	.00
MISCELLANEOUS MACHINERY	31.14	29.93	2.11	2.20	2.44	2.84	.06	.03	.00	.00
ELECTRICAL MACHINERY	9.80	9.84	14.89	15.04	14.82	15.09	.15	.12	.00	.00
TRANSPORTATION EQUIPMENT	26.69	25.48	9.78	9.35	10.06	9.19	.67	.66	.00	.00
MOTOR VEHICLES AND EQUIPMENT	19.03	18.13	7.26	6.82	7.44	6.67	.45	.49	.00	.00
AIR CRAFT AND ENGINES	6.08	5.90	2.06	2.21	2.07	2.06	.10	.09	.00	.00
SHIP AND BOATBUILDING AND REP	.41	.45	.00	.00	.00	.00	.03	.03	.00	.00
RR AND OTHER TRANSPORT EQUIP	1.17	.99	.46	.32	.55	.46	.09	.06	.00	.00
PROF SCIENTIFIC INSTRUMENTS	2.63	2.89	2.32	2.29	2.52	2.53	.20	.15	.00	.00
INSTRUMENTS EXCEPT CLOCKS	2.51	2.75	1.99	1.94	2.14	2.14	.19	.15	.00	.00
WATCHES AND CLOCK DEVICES	.12	.14	.33	.35	.38	.39	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	1.54	1.71	3.22	3.25	2.86	2.89	1.19	1.14	.00	.00
NONDURABLE GOODS MANUFACTURING	.00	.00	.00	.00	.00	.00	95.69	95.93	100.00	100.00
FOOD AND KINDRED PRODUCTS	.00	.00	.00	.00	.00	.00	.12	.02	.00	.00
MEAT PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.05	.01	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.00	.00	.00	.00	.04	.01	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.00	.00	24.10	18.07	100.00	100.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	65.32	73.24	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00	.00	.00	.00	.00	.33	.24	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00	.00	.00	.00	.00	.03	.01	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.07	.02	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.00	.00	.24	.22	.00	.00
PRINTING AND PUBLISHING	.00	.00	.00	.00	.00	.00	.22	.17	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.00	.00	.00	.00	.00	.00	.31	.23	.00	.00
SYNTHETIC FIBERS	.00	.00	.00	.00	.00	.00	.24	.19	.00	.00
DRUGS AND MEDICINE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.00	.00	.00	.00	.00	.00	.07	.04	.00	.00
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM REFINING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.56	.62	.00	.00
RUBBER PRODUCTS	.00	.00	.00	.00	.00	.00	.23	.15	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.33	.47	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	4.73	3.32	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.00	.00	3.96	2.83	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.75	.49	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	MACHINE TOOL OPERATORS CLASS B		ELECTROPLATERS		ELECTROPLATER HELPERS		SEMISKILLED TEXTILE OCCUPATIONS		KNITTERS, LOOPERS, AND TOPPERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TRANSPORTATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RAILROADS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
COMMUNICATIONS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
TELEPHONE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
WHOLESALE TRADE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RETAIL TRADE	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DRUG STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER RETAIL STORES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
REAL ESTATE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SERVICES	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUTO REPAIR SERVICES	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
HOSPITALS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEDERAL PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STATE PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	SPINNERS, TEXTILE		WEAVERS, TEXTILE		SEWERS AND STITCHERS, MFG.		OTHER OPERATIVES AND KINDRED		ASBESTOS AND INSULATION WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.00	.00	.00	.00	.43	.42	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	.00	.38	.36	.00	.00
FORESTRY	.00	.00	.00	.00	.00	.00	.02	.04	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
MINING	.00	.00	.00	.00	.00	.00	2.57	1.73	.08	.02
METAL MINING	.00	.00	.00	.00	.00	.00	.40	.27	.05	.02
COAL MINING	.00	.00	.00	.00	.00	.00	.87	.37	.02	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.00	.00	.84	.68	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.00	.00	.46	.41	.00	.00
CONSTRUCTION	.00	.00	.00	.00	.00	.00	2.37	3.71	58.63	64.70
TOTAL MANUFACTURING	99.65	99.66	99.05	98.87	100.00	100.00	65.67	62.53	33.43	29.40
DURABLE GOODS MANUFACTURING	.20	.23	.86	1.33	4.99	4.50	31.51	31.06	22.36	20.73
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.09	.07	2.60	2.42	.76	.74
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.03	.04	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.09	.07	2.57	2.38	.76	.74
FURNITURE AND FIXTURES	.00	.00	.04	.04	2.03	1.93	2.50	3.02	.30	.18
STONE CLAY AND GLASS PRODUCTS	.01	.01	.11	.06	.07	.04	2.88	2.90	3.50	3.00
GLASS AND GLASS PRODUCTS	.00	.00	.03	.05	.04	.03	1.15	1.23	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.00	.01	.57	.59	.14	.06
STRUCTURAL CLAY PRODUCTS	.00	.00	.00	.00	.00	.00	.20	.21	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.30	.22	.00	.00
MISC NONMETALLIC AND STONE	.01	.01	.08	.01	.03	.01	.65	.66	3.37	2.94
PRIMARY METAL INDUSTRIES	.16	.19	.07	.08	.02	.00	3.77	3.46	.56	.30
BLAST FURNACE AND STEEL WORKS	.00	.00	.00	.00	.00	.00	1.28	1.05	.50	.26
OTHER PRIMARY METAL IND	.16	.19	.07	.08	.01	.00	1.06	1.00	.03	.02
PRIMARY NONFERROUS METAL	.00	.00	.00	.00	.01	.00	1.43	1.41	.03	.02
FABRICATED METAL PRODUCTS NEC	.00	.00	.28	.43	.09	.06	4.05	3.80	2.10	2.01
MACHINERY EXCEPT ELECTRICAL	.03	.03	.21	.48	.07	.03	4.00	4.08	.46	.36
FARM MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.01	.01	.34	.40	.00	.00
OFFICE MACHINERY	.00	.00	.00	.00	.00	.00	.44	.34	.21	.21
MISCELLANEOUS MACHINERY	.03	.03	.21	.48	.05	.01	3.23	3.35	.24	.15
ELECTRICAL MACHINERY	.00	.00	.04	.03	.17	.14	5.05	4.81	3.53	3.61
TRANSPORTATION EQUIPMENT	.00	.00	.05	.08	.80	.76	3.58	3.75	10.79	10.20
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.01	.01	.54	.56	1.66	1.90	.37	.21
AIR CRAFT AND ENGINES	.00	.00	.00	.00	.12	.11	1.12	1.14	.61	.84
SHIP AND BOATBUILDING AND REP	.00	.00	.03	.07	.03	.03	.37	.37	9.56	8.99
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.11	.06	.43	.34	.26	.17
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.00	.00	.24	.17	1.19	1.15	.06	.04
INSTRUMENTS EXCEPT CLOCKS	.00	.00	.00	.00	.23	.17	1.05	1.00	.06	.04
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.01	.00	.14	.15	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.07	.12	1.42	1.30	1.88	1.67	.30	.29
NONDURABLE GOODS MANUFACTURING	99.45	99.42	98.19	97.54	95.01	95.50	34.16	31.47	11.08	8.68
FOOD AND KINDRED PRODUCTS	.00	.00	.00	.00	.15	.02	7.59	6.43	.10	.10
MEAT PRODUCTS	.00	.00	.00	.00	.02	.00	2.28	1.95	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.00	.00	.57	.31	.00	.00
CANNING PRESERVES + FREEZING	.00	.00	.00	.00	.01	.00	1.59	1.48	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.06	.01	.48	.43	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.72	.56	.10	.10
BEVERAGE INDUSTRIES	.00	.00	.00	.00	.00	.00	.72	.67	.00	.00
OTHER FOOD PRODUCTS	.00	.00	.00	.00	.05	.01	1.23	1.03	.00	.00
TOBACCO MANUFACTURING	.00	.00	.00	.00	.01	.00	.50	.32	.00	.00
TEXTILE MILL PRODUCTS	94.61	93.53	96.77	95.36	9.73	6.77	4.96	4.13	.00	.05
APPAREL AND ACCESSORIES	.24	.54	.85	1.29	78.10	83.72	5.47	5.05	.00	.09
PAPER AND ALLIED PRODUCTS	.09	.08	.00	.00	.39	.28	3.89	3.60	.45	.29
PULP PAPER AND BOARD MILLS	.09	.08	.00	.00	.03	.01	1.49	1.25	.35	.24
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.08	.02	1.36	1.28	.10	.06
ALL OTHER PAPER PRODUCTS	.00	.00	.00	.00	.28	.25	1.03	1.08	.00	.00
PRINTING AND PUBLISHING	.00	.00	.00	.00	.26	.20	1.86	1.75	.00	.00
CHEMICALS AND ALLIED PRODUCTS	4.30	4.82	.26	.33	.08	.04	3.64	3.67	5.21	4.19
SYNTHETIC FIBERS	4.26	4.78	.23	.31	.00	.00	.58	.57	1.07	.87
DRUGS AND MEDICINE	.00	.00	.00	.00	.00	.00	.38	.36	.54	.63
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.26	.22	.10	.06
OTHER CHEMICALS	.04	.04	.02	.02	.08	.04	2.42	2.52	3.49	2.63
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.01	.00	.48	.31	4.51	2.84
PETROLEUM REFINING	.00	.00	.00	.00	.00	.00	.36	.21	4.51	2.84
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.01	.00	.12	.11	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.14	.21	.19	.30	.65	.69	3.49	4.18	.80	1.12
RUBBER PRODUCTS	.00	.00	.09	.12	.27	.17	1.68	1.71	.58	.86
MISCELLANEOUS PLASTIC PRODUCT	.14	.21	.10	.17	.38	.52	1.80	2.46	.22	.27
LEATHER PRODUCTS	.07	.24	.12	.25	5.64	3.78	2.27	2.03	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.02	.01	.18	.15	.00	.00
FOOTWEAR EXCEPT RUBBER	.07	.24	.06	.14	4.73	3.22	1.61	1.45	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.06	.11	.90	.55	.48	.42	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	SPINNERS, TEXTILE		WEAVERS, TEXTILE		SEWERS AND STITCHERS, MFG.		OTHER OPERATIVES AND KINDRED		ASBESTOS AND INSULATION WORKERS	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.28	.29	.00	.00	.00	.00	2.49	2.42	1.44	.95
TRANSPORTATION	.00	.00	.00	.00	.00	.00	1.34	1.20	.00	.00
RAILROADS	.00	.00	.00	.00	.00	.00	.36	.20	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00	.00	.00	.00	.00	.25	.24	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00	.00	.00	.00	.00	.24	.22	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.00	.00	.33	.30	.00	.00
TRUCKING	.00	.00	.00	.00	.00	.00	.16	.15	.00	.00
WAREHOUSING	.00	.00	.00	.00	.00	.00	.17	.16	.00	.00
WATER TRANSPORTATION	.00	.00	.00	.00	.00	.00	.17	.19	.00	.00
AIR TRANSPORTATION	.00	.00	.00	.00	.00	.00	.16	.22	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.00	.00	.04	.03	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.28	.29	.00	.00	.00	.00	1.15	1.22	1.44	.95
COMMUNICATIONS	.28	.29	.00	.00	.00	.00	.10	.07	.00	.00
TELEPHONE	.28	.29	.00	.00	.00	.00	.06	.03	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.03	.03	.00	.00
PUBLIC UTILITIES	.00	.00	.00	.00	.00	.00	1.04	1.15	1.44	.95
ELECTRIC GAS AND STEAM	.00	.00	.00	.00	.00	.00	.57	.45	1.44	.95
WATER AND IRRIGATION	.00	.00	.00	.00	.00	.00	.22	.34	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.25	.35	.00	.00
WHOLESALE AND RETAIL TRADE	.00	.00	.67	.96	.00	.00	15.97	16.66	4.95	3.97
WHOLESALE TRADE	.00	.00	.00	.00	.00	.00	4.57	4.56	2.35	2.22
MOTOR VEHICLES AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.21	.22	.00	.00
DRUGS AND CHEMICALS	.00	.00	.00	.00	.00	.00	.23	.22	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.00	.00	.21	.21	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.00	.00	1.66	1.56	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.00	.00	.22	.21	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.27	.21	.48	.69
MISCELLANEOUS WHOLESALE TRADE	.00	.00	.00	.00	.00	.00	1.78	1.92	1.87	1.53
RETAIL TRADE	.00	.00	.67	.96	.00	.00	11.40	12.10	2.60	1.75
LUMBER BUILDING AND FARM EQUIP	.00	.00	.00	.00	.00	.00	.33	.31	1.82	1.14
GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.99	1.06	.00	.00
LIMITED PRICE STORES	.00	.00	.00	.00	.00	.00	.04	.04	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00	.00	.00	.00	.00	.95	1.02	.00	.00
FOOD AND DAIRY STORES	.00	.00	.00	.00	.00	.00	3.35	3.55	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00	.00	.00	.00	.00	5.08	5.59	.20	.09
AUTO AND ACCESSORY DEALERS	.00	.00	.00	.00	.00	.00	.53	.70	.11	.06
GAS STATIONS	.00	.00	.00	.00	.00	.00	4.56	4.89	.09	.03
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.76	.65	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.64	.94	.00	.00	.30	.37	.00	.00
EATING AND DRINKING PLACES	.00	.00	.00	.00	.00	.00	.19	.23	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00	.03	.01	.00	.00	.40	.34	.58	.52
DRUG STORES	.00	.00	.00	.00	.00	.00	.04	.04	.15	.18
OTHER RETAIL STORES	.00	.00	.03	.01	.00	.00	.36	.30	.43	.34
FINANCE INSURANCE AND REAL ESTATE	.00	.00	.00	.00	.00	.00	.16	.15	.00	.00
FINANCE	.00	.00	.00	.00	.00	.00	.07	.06	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
INSURANCE	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
REAL ESTATE	.00	.00	.00	.00	.00	.00	.06	.06	.00	.00
SERVICES	.02	.02	.26	.15	.00	.00	9.24	11.42	.73	.56
HOTELS AND OTHER LODGING PLACES	.00	.00	.00	.00	.00	.00	.27	.35	.07	.03
OTHER PERSONAL SERVICES	.00	.00	.02	.01	.00	.00	3.89	4.26	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00	.02	.01	.00	.00	3.29	3.54	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.00	.00	.59	.72	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00	.00	.00	.00	.00	1.65	2.87	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.06	.05	.00	.00
OTHER MISC BUSINESS SERVICES	.00	.00	.00	.00	.00	.00	1.59	2.82	.00	.00
AUTO REPAIR SERVICES	.00	.00	.02	.02	.00	.00	.74	.96	.04	.02
OTHER REPAIR SERVICE	.02	.02	.08	.06	.00	.00	.33	.34	.16	.25
MOTION PICTURES AND THEATRES	.00	.00	.00	.00	.00	.00	.12	.10	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00	.00	.00	.00	.00	.11	.17	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00	.00	.00	.00	.00	1.06	1.09	.09	.03
HOSPITALS	.00	.00	.00	.00	.00	.00	.91	.95	.09	.03
OTHER MEDICAL AND HEALTH	.00	.00	.00	.00	.00	.00	.14	.14	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.00	.00	.09	.05	.00	.00	.50	.64	.19	.10
NONPROFIT MEMBER ORGANIZATIONS	.00	.00	.05	.01	.00	.00	.38	.38	.18	.12
WELFARE AND RELIGIOUS ORGANS	.00	.00	.05	.01	.00	.00	.31	.33	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00	.00	.00	.00	.00	.06	.05	.18	.12
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.00	.00	.18	.23	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.06	.11	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.00	.00	.11	.11	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.05	.03	.03	.02	.00	.00	1.09	.96	.74	.40
FEDERAL PUBLIC ADMINISTRATION	.00	.00	.03	.02	.00	.00	.69	.52	.74	.40
POSTAL SERVICE	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.00	.00	.03	.02	.00	.00	.66	.50	.74	.40
STATE PUBLIC ADMINISTRATION	.00	.00	.00	.00	.00	.00	.11	.12	.00	.00
LOCAL PUBLIC ADMINISTRATION	.05	.03	.00	.00	.00	.00	.30	.32	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ATTENDANTS,AUTO SERVICE,PARKING		BLASTERS AND POWDERMEN		LAUNDRY AND DRY-CLEANING WORKERS		MEAT CUTTERS EXC. MEATPACKING		MINE OPERATIVES AND LABORERS,NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.14	.15	.00	.00	.02	.02	.00	.00
AGRICULTURE	.00	.00	.00	.00	.00	00	.02	.02	.00	.00
FORESTRY	.00	.00	.14	.15	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.00	.00	54.93	40.14	.00	.00	.07	.05	100.00	100.00
METAL MINING	.00	.00	11.24	12.55	.00	.00	.02	.01	15.58	15.21
COAL MINING	.00	.00	26.29	16.09	.00	.00	.03	.02	32.13	19.15
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	7.06	.37	.00	.00	.01	.01	34.99	43.21
NONMETALLIC MINING AND QUARRYING	.00	.00	10.34	11.14	.00	.00	.01	.01	17.38	22.43
CONSTRUCTION	.08	.11	29.55	39.16	.01	.01	.00	.00	.00	.00
TOTAL MANUFACTURING	.45	.50	14.52	19.72	.57	.25	.51	.52	.00	.00
DURABLE GOODS MANUFACTURING	.34	.40	10.00	16.35	.03	.04	.09	.10	.00	.00
LUMBER AND WOOD PRODUCTS	.02	.02	5.70	8.92	.00	.00	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	4.46	6.23	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.02	.02	1.24	2.68	.00	.00	.00	.00	.00	.00
FURNITURE AND FIXTURES	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.01	.02	4.08	7.30	.00	.00	.01	.03	.00	.00
GLASS AND GLASS PRODUCTS	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.01	.01	2.94	5.53	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00	1.14	1.77	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00
MISC NONMETALLIC AND STONE	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00
PRIMARY METAL INDUSTRIES	.00	.00	.22	.13	.01	.01	.04	.04	.00	.00
BLAST FURNACE AND STEEL WORKS	.00	.00	.10	.05	.00	.00	.02	.01	.00	.00
OTHER PRIMARY METAL IND	.00	.00	.12	.08	.01	.01	.01	.01	.00	.00
PRIMARY NONFERROUS METAL	.00	.00	.00	.00	.00	.00	.01	.02	.00	.00
FABRICATED METAL PRODUCTS NEC	.07	.11	.00	.00	.00	.01	.01	.02	.00	.00
MACHINERY EXCEPT ELECTRICAL	.01	.01	.00	.00	.01	.01	.02	.02	.00	.00
FARM MACHINERY AND EQUIPMENT	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
OFFICE MACHINERY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MACHINERY	.00	.00	.00	.00	.00	.01	.02	.02	.00	.00
ELECTRICAL MACHINERY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION EQUIPMENT	.11	.14	.00	.00	.00	.00	.00	.00	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.09	.07	.00	.00	.00	.00	.00	.00	.00	.00
AIR CRAFT AND ENGINES	.06	.03	.00	.00	.00	.00	.00	.00	.00	.00
SHIP AND BOATBUILDING AND REP	.04	.04	.00	.00	.00	.00	.00	.00	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.02	.02	.00	.00	.00	.00	.01	.00	.00	.00
WATCHES AND CLOCK DEVICES	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00
FOOD AND KINDRED PRODUCTS	.11	.10	4.52	3.37	.55	.21	.43	.42	.00	.00
MEAT PRODUCTS	.06	.03	.00	.00	.11	.08	.31	.29	.00	.00
DAIRY PRODUCTS	.00	.00	.00	.00	.06	.05	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.02	.01	.00	.00	.01	.00	.01	.01	.00	.00
GRAIN MILL PRODUCTS	.00	.00	.00	.00	.01	.01	.16	.15	.00	.00
BAKERY PRODUCTS	.00	.00	.00	.00	.00	.00	.03	.02	.00	.00
BEVERAGE INDUSTRIES	.01	.01	.00	.00	.00	.01	.03	.02	.00	.00
OTHER FOOD PRODUCTS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
TOBACCO MANUFACTURING	.01	.01	.00	.00	.02	.01	.09	.09	.00	.00
TEXTILE MILL PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.00	.00	.00	.00	.08	.03	.08	.08	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.01	.00	.00	.32	.05	.00	.00	.00	.00
PULP PAPER AND BOARD MILLS	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
PRINTING AND PUBLISHING	.03	.03	.00	.00	.00	.01	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.01	.01	3.74	2.68	.03	.03	.03	.04	.00	.00
SYNTHETIC FIBERS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
DRUGS AND MEDICINE	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	.00	.00	3.74	2.68	.01	.02	.03	.04	.00	.00
PETROLEUM REFIN AND COAL PROD	.02	.00	.78	.68	.00	.00	.00	.00	.00	.00
PETROLEUM REFINING	.02	.00	.28	.28	.00	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.50	.40	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER PRODUCTS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	ATTENDANTS, AUTO SERVICE, PARKING		BLASTERS AND POWDERMEN		LAUNDRY AND DRY-CLEANING WORKERS		MEAT CUTTERS EXC. MEATPACKING		MINE OPERATIVES AND LABORERS, NEC	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.39	.30	.28	.22	.02	.02	1.23	.83	.00	.00
TRANSPORTATION	.22	.19	.08	.08	.02	.02	1.23	.83	.00	.00
RAILROADS	.00	.00	.08	.08	.01	.01	.02	.02	.00	.00
LOCAL AND INTERURBAN PASSENGER	.05	.04	.00	.00	.00	.00	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
TAXIS	.04	.03	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.11	.12	.00	.00	.00	.00	1.15	.76	.00	.00
TRUCKING	.11	.09	.00	.00	.00	.00	.00	.00	.00	.00
WAREHOUSING	.01	.01	.00	.00	.00	.00	1.15	.76	.00	.00
WATER TRANSPORTATION	.01	.02	.00	.00	.00	.01	.05	.04	.00	.00
AIR TRANSPORTATION	.02	.02	.00	.00	.00	.00	.01	.02	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.17	.12	.20	.13	.00	.00	.00	.00	.00	.00
COMMUNICATIONS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TELEPHONE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PUBLIC UTILITIES	.16	.11	.20	.13	.00	.00	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.16	.11	.20	.13	.00	.00	.00	.00	.00	.00
WATER AND IRRIGATION	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	91.42	90.58	.16	.10	.43	.39	95.03	94.91	.00	.00
WHOLESALE TRADE	.34	.26	.00	.00	.03	.05	8.31	8.90	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.08	.06	.00	.00	.00	.00	.00	.00	.00	.00
DRUGS AND CHEMICALS	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00
GROCERIES AND RELATED	.00	.00	.00	.00	.01	.01	8.23	8.84	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.24	.18	.00	.00	.01	.01	.07	.06	.00	.00
RETAIL TRADE	91.08	90.32	.16	.10	.40	.34	86.72	86.01	.00	.00
LUMBER BUILDING AND FARM EQUIP	.06	.04	.16	.10	.00	.00	.00	.00	.00	.00
GENERAL MERCHANDISING	.73	.76	.00	.00	.04	.04	1.03	1.13	.00	.00
LIMITED PRICE STORES	.01	.00	.00	.00	.00	.00	.03	.02	.00	.00
OTHER GENERAL MERCHANDISING	.72	.76	.00	.00	.04	.04	1.00	1.11	.00	.00
FOOD AND DAIRY STORES	.21	.23	.00	.00	.12	.13	84.10	82.85	.00	.00
AUTO DEALERS AND GAS STATIONS	89.08	88.11	.00	.00	.00	.00	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	2.25	2.51	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	86.83	85.60	.00	.00	.00	.00	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.05	.03	.00	.00	.04	.02	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.03	.05	.00	.00	.02	.01	.01	.00	.00	.00
EATING AND DRINKING PLACES	.62	.84	.00	.00	.17	.14	1.41	1.75	.00	.00
MISCELLANEOUS RETAIL STORES	.30	.26	.00	.00	.00	.00	.17	.27	.00	.00
DRUG STORES	.17	.16	.00	.00	.00	.00	.02	.05	.00	.00
OTHER RETAIL STORES	.13	.10	.00	.00	.00	.00	.15	.22	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.39	.36	.00	.00	.02	.02	.00	.00	.00	.00
FINANCE	.29	.28	.00	.00	.00	.00	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.28	.28	.00	.00	.00	.00	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
INSURANCE	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
REAL ESTATE	.09	.06	.00	.00	.01	.01	.00	.00	.00	.00
SERVICES	6.74	7.68	.42	.52	98.47	98.98	2.73	3.31	.00	.00
HOTELS AND OTHER LODGING PLACES	.34	.43	.00	.00	2.66	3.66	.65	.90	.00	.00
OTHER PERSONAL SERVICES	.01	.02	.00	.00	76.40	73.57	.00	.00	.00	.00
LAUNDRY CLEANERS AND VALET	.01	.01	.00	.00	76.17	73.41	.00	.00	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00	.00	.00	.23	.16	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.05	.19	.42	.52	.02	.03	.01	.01	.00	.00
ADVERTISING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.04	.18	.42	.52	.02	.03	.01	.01	.00	.00
AUTO REPAIR SERVICES	5.57	6.10	.00	.00	.08	.09	.00	.00	.00	.00
OTHER REPAIR SERVICE	.03	.03	.00	.00	.01	.02	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.04	.03	.00	.00	.01	.01	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	.26	.45	.00	.00	.09	.16	.14	.24	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.15	.13	.00	.00	15.03	16.74	1.02	.68	.00	.00
HOSPITALS	.14	.12	.00	.00	13.90	15.50	.85	.49	.00	.00
OTHER MEDICAL AND HEALTH	.01	.01	.00	.00	1.13	1.24	.17	.19	.00	.00
LEGAL SERVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	.17	.19	.00	.00	1.89	2.53	.74	1.29	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.13	.12	.00	.00	2.21	2.09	.15	.18	.00	.00
WELFARE AND RELIGIOUS ORGANS	.07	.07	.00	.00	2.09	1.99	.13	.16	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.06	.06	.00	.00	.12	.10	.02	.02	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00	.00	.00	.00	.00	.02	.01	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00	.00	.00	.06	.08	.00	.00	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00	.00	.00	.06	.08	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.52	.46	.00	.00	.49	.33	.41	.35	.00	.00
FEDERAL PUBLIC ADMINISTRATION	.28	.24	.00	.00	.35	.22	.37	.31	.00	.00
POSTAL SERVICE	.22	.18	.00	.00	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.07	.07	.00	.00	.35	.22	.37	.31	.00	.00
STATE PUBLIC ADMINISTRATION	.02	.01	.00	.00	.09	.06	.03	.03	.00	.00
LOCAL PUBLIC ADMINISTRATION	.22	.20	.00	.00	.06	.05	.01	.01	.00	.00

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPERATIVES AND KINDRED,NEC		SERVICE WORKERS		PRIVATE HOUSEHOLD WORKERS		PROTECTIVE SERVICE WORKERS		FIREMEN	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.50	.49	.12	.12	.00	.00	.16	.13	.04	.06
AGRICULTURE	.45	.42	.11	.11	.00	.00	.12	.09	.00	.00
FORESTRY	.03	.04	.01	.01	.00	.00	.04	.03	.04	.06
FISHERIES	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.25	.17	.08	.05	.00	.00	.34	.14	.03	.03
METAL MINING	.04	.03	.02	.02	.00	.00	.12	.07	.03	.03
COAL MINING	.13	.08	.01	.00	.00	.00	.07	.02	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.03	.01	.02	.02	.00	.00	.03	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.04	.06	.02	.02	.00	.00	.12	.05	.00	.00
CONSTRUCTION	2.54	4.01	.19	.18	.00	.00	.58	.27	.04	.03
TOTAL MANUFACTURING	76.46	72.91	2.92	2.11	.00	.00	10.13	6.82	1.36	1.58
DURABLE GOODS MANUFACTURING	36.67	36.18	1.60	1.20	.00	.00	6.84	4.86	1.10	1.36
LUMBER AND WOOD PRODUCTS	3.03	2.32	.08	.06	.00	.00	.50	.33	.00	.00
LOGGING CAMPS AND CONTRACTORS	.04	.04	.00	.00	.00	.00	.02	.01	.00	.00
SAWMILLS MILLWORK + MISC WOOD	2.99	2.78	.07	.06	.00	.00	.48	.32	.00	.00
FURNITURE AND FIXTURES	2.92	3.53	.06	.06	.00	.00	.25	.23	.03	.03
STONE CLAY AND GLASS PRODUCTS	3.35	3.37	.09	.06	.00	.00	.35	.25	.04	.05
GLASS AND GLASS PRODUCTS	1.34	1.43	.03	.02	.00	.00	.12	.09	.00	.00
CEMENT CONCRETE AND PLASTER	.66	.69	.02	.02	.00	.00	.09	.05	.00	.00
STRUCTURAL CLAY PRODUCTS	.24	.24	.01	.01	.00	.00	.05	.05	.00	.00
POTTERY AND RELATED PRODUCTS	.36	.25	.01	.00	.00	.00	.03	.02	.00	.00
MISC NONMETALLIC AND STONE	.75	.76	.02	.01	.00	.00	.07	.04	.04	.05
PRIMARY METAL INDUSTRIES	4.39	4.04	.23	.14	.00	.00	1.12	.72	.09	.10
BLAST FURNACE AND STEEL WORKS	1.49	1.23	.11	.06	.00	.00	.49	.31	.07	.07
OTHER PRIMARY METAL IND	1.23	1.17	.06	.04	.00	.00	.31	.21	.01	.02
PRIMARY NONFERROUS METAL	1.67	1.64	.06	.04	.00	.00	.32	.20	.01	.02
FABRICATED METAL PRODUCTS NEC	4.71	4.42	.23	.20	.00	.00	1.07	.93	.28	.38
MACHINERY EXCEPT ELECTRICAL	4.67	4.77	.24	.18	.00	.00	.85	.54	.01	.01
FARM MACHINERY AND EQUIPMENT	.39	.46	.02	.02	.00	.00	.07	.07	.00	.00
OFFICE MACHINERY	.51	.40	.03	.02	.00	.00	.08	.04	.00	.00
MISCELLANEOUS MACHINERY	3.77	3.91	.20	.15	.00	.00	.70	.43	.01	.01
ELECTRICAL MACHINERY	5.88	5.60	.24	.17	.00	.00	.88	.51	.06	.10
TRANSPORTATION EQUIPMENT	4.13	4.34	.32	.23	.00	.00	1.45	1.05	.58	.69
MOTOR VEHICLES AND EQUIPMENT	1.93	2.22	.14	.10	.00	.00	.54	.41	.07	.07
AIR CRAFT AND ENGINES	1.30	1.32	.10	.07	.00	.00	.49	.32	.20	.34
SHIP AND BOATBUILDING AND REP	.39	.39	.05	.04	.00	.00	.28	.23	.31	.28
RR AND OTHER TRANSPORT EQUIP	.50	.40	.03	.02	.00	.00	.14	.09	.00	.00
PROF SCIENTIFIC INSTRUMENTS	1.39	1.34	.06	.05	.00	.00	.21	.19	.00	.00
INSTRUMENTS EXCEPT CLOCKS	1.23	1.17	.05	.05	.00	.00	.20	.18	.00	.00
WATCHES AND CLOCK DEVICES	.17	.17	.00	.00	.00	.00	.01	.01	.00	.00
MISCELLANEOUS MANUFACTURING	2.19	1.95	.06	.05	.00	.00	.16	.12	.00	.00
NONDURABLE GOODS MANUFACTURING	39.78	36.73	1.32	.91	.00	.00	3.29	1.97	.27	.22
FOOD AND KINDRED PRODUCTS	8.85	7.51	.40	.24	.00	.00	.78	.41	.05	.03
MEAT PRODUCTS	2.66	2.28	.07	.05	.00	.00	.16	.10	.02	.01
DAIRY PRODUCTS	.67	.36	.03	.02	.00	.00	.03	.00	.00	.00
CANNING PRESERVES + FREEZING	1.85	1.72	.07	.05	.00	.00	.18	.11	.00	.00
GRAIN MILL PRODUCTS	.56	.50	.02	.01	.00	.00	.06	.02	.00	.00
BAKERY PRODUCTS	.84	.66	.09	.05	.00	.00	.03	.02	.00	.00
BEVERAGE INDUSTRIES	.84	.79	.04	.02	.00	.00	.13	.05	.01	.01
OTHER FOOD PRODUCTS	1.43	1.20	.08	.04	.00	.00	.20	.11	.02	.01
TOBACCO MANUFACTURING	.58	.37	.03	.02	.00	.00	.04	.02	.00	.00
TEXTILE MILL PRODUCTS	5.78	4.83	.14	.08	.00	.00	.42	.21	.00	.00
APPAREL AND ACCESSORIES	6.37	5.90	.11	.11	.00	.00	.19	.15	.00	.00
PAPER AND ALLIED PRODUCTS	4.54	4.21	.12	.09	.00	.00	.37	.25	.05	.05
PULP PAPER AND BOARD MILLS	1.74	1.45	.06	.04	.00	.00	.21	.13	.02	.01
PAPERBOARD CONTAINERS + BOXES	1.59	1.49	.03	.02	.00	.00	.06	.04	.02	.02
ALL OTHER PAPER PRODUCTS	1.20	1.26	.03	.02	.00	.00	.10	.07	.01	.02
PRINTING AND PUBLISHING	2.18	2.05	.14	.10	.00	.00	.20	.10	.00	.02
CHEMICALS AND ALLIED PRODUCTS	4.23	4.27	.22	.17	.00	.00	.83	.53	.08	.05
SYNTHETIC FIBERS	.68	.66	.03	.03	.00	.00	.09	.07	.00	.00
DRUGS AND MEDICINE	.45	.42	.03	.03	.00	.00	.09	.08	.00	.00
PAINTS AND VARNISHES AND REL	.30	.25	.01	.01	.00	.00	.06	.03	.00	.00
OTHER CHEMICALS	2.81	2.93	.15	.10	.00	.00	.60	.35	.08	.05
PETROLEUM REFIN AND COAL PROD	.54	.35	.03	.01	.00	.00	.13	.05	.09	.07
PETROLEUM REFINING	.40	.23	.02	.00	.00	.00	.09	.01	.06	.02
OTHER PETROL AND COAL PRODUCT	.14	.12	.01	.01	.00	.00	.05	.04	.04	.05
RUBBER AND MISC PLASTIC PRODUCT	4.07	4.88	.08	.07	.00	.00	.21	.17	.00	.00
RUBBER PRODUCTS	1.96	2.00	.05	.03	.00	.00	.12	.08	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	2.11	2.88	.04	.04	.00	.00	.09	.09	.00	.00
LEATHER PRODUCTS	2.63	2.37	.03	.03	.00	.00	.11	.08	.00	.00
LEATHER TANNING AND FINISHING	.22	.18	.00	.00	.00	.00	.02	.01	.00	.00
FOOTWEAR EXCEPT RUBBER	1.88	1.70	.02	.02	.00	.00	.07	.05	.00	.00
ALL OTHER LEATHER PRODUCTS	.56	.49	.01	.01	.00	.00	.01	.01	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	OPERATIVES AND KINDRED,NEC		SERVICE WORKERS		PRIVATE HOUSEHOLD WORKERS		PROTECTIVE SERVICE WORKERS		FIREMEN	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	2.34	2.79	1.53	1.26	.00	.00	2.69	1.65	.20	.13
TRANSPORTATION	1.52	1.37	1.19	1.05	.00	.00	2.18	1.40	.20	.13
RAILROADS	.42	.23	.24	.10	.00	.00	.66	.32	.04	.04
LOCAL AND INTERURBAN PASSENGER	.29	.27	.12	.09	.00	.00	.18	.12	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.28	.26	.12	.09	.00	.00	.18	.12	.00	.00
TAXIS	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.35	.33	.09	.06	.00	.00	.29	.16	.01	.00
TRUCKING	.18	.17	.06	.05	.00	.00	.17	.08	.01	.00
WAREHOUSING	.17	.16	.02	.01	.00	.00	.13	.08	.00	.00
WATER TRANSPORTATION	.20	.22	.15	.10	.00	.00	.28	.17	.00	.00
AIR TRANSPORTATION	.19	.26	.51	.63	.00	.00	.12	.06	.13	.08
PIPELINES	.03	.02	.00	.00	.00	.00	.00	.00	.01	.00
TRANSPORTATION SERVICES	.04	.04	.08	.07	.00	.00	.64	.56	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	1.32	1.42	.34	.21	.00	.00	.51	.29	.00	.00
COMMUNICATIONS	.12	.08	.19	.11	.00	.00	.08	.05	.00	.00
TELEPHONE	.07	.04	.15	.08	.00	.00	.03	.02	.00	.00
TELEGRAPH	.02	.01	.01	.00	.00	.00	.02	.01	.00	.00
RADIO AND TV	.03	.04	.03	.02	.00	.00	.03	.02	.00	.00
PUBLIC UTILITIES	1.20	1.33	.16	.11	.00	.00	.43	.23	.00	.00
ELECTRIC GAS AND STEAM	.65	.52	.12	.08	.00	.00	.26	.11	.00	.00
WATER AND IRRIGATION	.26	.40	.02	.02	.00	.00	.08	.05	.00	.00
SANITARY SERVICES	.29	.41	.02	.01	.00	.00	.09	.07	.00	.00
WHOLESALE AND RETAIL TRADE	10.64	11.16	22.07	18.39	.00	.00	1.85	1.28	.03	.01
WHOLESALE TRADE	5.09	5.07	.34	.26	.00	.00	.61	.33	.01	.00
MOTOR VEHICLES AND EQUIPMENT	.24	.25	.02	.02	.00	.00	.03	.01	.00	.00
DRUGS AND CHEMICALS	.26	.26	.02	.01	.00	.00	.01	.00	.00	.00
DRY GOODS AND APPAREL	.24	.25	.02	.01	.00	.00	.03	.03	.00	.00
GROCERIES AND RELATED	1.72	1.60	.05	.03	.00	.00	.07	.05	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.25	.25	.03	.02	.00	.00	.03	.02	.00	.00
MACHINERY AND EQUIPMENT	.31	.25	.06	.05	.00	.00	.10	.10	.00	.00
MISCELLANEOUS WHOLESALE TRADE	2.06	2.22	.14	.11	.00	.00	.34	.12	.01	.00
RETAIL TRADE	5.55	6.09	21.73	18.13	.00	.00	1.24	.95	.02	.01
LUMBER BUILDING AND FARM EQUIP	.37	.36	.05	.03	.00	.00	.11	.07	.00	.00
GENERAL MERCHANDISING	1.08	1.13	1.17	.92	.00	.00	.59	.45	.02	.01
LIMITED PRICE STORES	.04	.04	.26	.21	.00	.00	.02	.02	.01	.00
OTHER GENERAL MERCHANDISING	1.04	1.11	.91	.71	.00	.00	.56	.44	.01	.01
FOOD AND DAIRY STORES	1.67	2.00	.35	.32	.00	.00	.11	.10	.00	.00
AUTO DEALERS AND GAS STATIONS	.61	.86	.17	.14	.00	.00	.07	.04	.00	.00
AUTO AND ACCESSORY DEALERS	.48	.66	.14	.11	.00	.00	.07	.04	.00	.00
GAS STATIONS	.13	.20	.03	.02	.00	.00	.01	.01	.00	.00
APPAREL AND ACCESSORIES	.88	.75	.21	.14	.00	.00	.05	.04	.00	.00
FURNITURE AND APPLIANCES	.35	.42	.09	.05	.00	.00	.02	.02	.00	.00
EATING AND DRINKING PLACES	.14	.16	18.93	15.90	.00	.00	.19	.17	.00	.00
MISCELLANEOUS RETAIL STORES	.44	.37	.76	.62	.00	.00	.10	.06	.00	.00
DRUG STORES	.03	.03	.61	.52	.00	.00	.01	.00	.00	.00
OTHER RETAIL STORES	.40	.34	.15	.10	.00	.00	.09	.05	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.16	.15	2.21	1.17	.00	.00	2.32	1.53	.01	.00
FINANCE	.06	.06	.68	.48	.00	.00	1.64	1.09	.00	.00
BANKS AND CREDIT AGENCIES	.05	.05	.64	.46	.00	.00	1.57	1.04	.00	.00
SECURITY AND INVESTMENT SERVICE	.01	.01	.03	.02	.00	.00	.07	.05	.00	.00
INSURANCE	.03	.03	.20	.14	.00	.00	.10	.05	.00	.00
REAL ESTATE	.07	.07	1.34	.55	.00	.00	.58	.38	.01	.00
SERVICES	5.39	7.25	62.86	68.44	100.00	100.00	12.46	14.70	.99	1.07
HOTELS AND OTHER LODGING PLACES	.15	.16	5.70	5.33	.00	.00	.44	.46	.00	.00
OTHER PERSONAL SERVICES	.72	.87	6.47	7.46	.00	.00	.15	.10	.00	.00
LAUNDRY CLEANERS AND VALET	.04	.04	.10	.09	.00	.00	.08	.04	.00	.00
ALL OTHER PERSONAL SERVICES	.68	.83	6.36	7.36	.00	.00	.05	.06	.00	.00
MISCELLANEOUS BUSINESS SERVICE	1.92	3.35	2.05	3.04	.00	.00	7.32	9.45	.11	.11
ADVERTISING	.07	.06	.01	.01	.00	.00	.01	.01	.00	.00
OTHER MISC BUSINESS SERVICES	1.85	3.29	2.04	3.04	.00	.00	7.31	9.44	.11	.11
AUTO REPAIR SERVICES	.52	.73	.03	.02	.00	.00	.02	.02	.00	.00
OTHER REPAIR SERVICE	.38	.39	.01	.02	.00	.00	.01	.01	.00	.00
MOTION PICTURES AND THEATRES	.14	.12	.46	.24	.00	.00	.08	.07	.02	.02
MISC ENTERTAINMENT AND RECREATION	.11	.15	1.91	2.33	.00	.00	.81	1.04	.02	.04
MEDICAL AND OTHER HEALTH SERVICES	.45	.31	16.75	20.18	.00	.00	1.07	.73	.42	.37
HOSPITALS	.34	.23	12.59	13.98	.00	.00	.94	.64	.35	.26
OTHER MEDICAL AND HEALTH	.11	.09	4.17	6.20	.00	.00	.13	.09	.08	.11
LEGAL SERVICES	.00	.00	.02	.03	.00	.00	.01	.01	.00	.00
EDUCATIONAL SERVICES	.46	.56	8.47	10.80	.00	.00	1.59	1.92	.03	.01
NONPROFIT MEMBER ORGANIZATIONS	.32	.32	4.40	3.36	.00	.00	.74	.62	.31	.42
WELFARE AND RELIGIOUS ORGANS	.25	.27	3.45	2.83	.00	.00	.37	.35	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.06	.05	.94	.53	.00	.00	.37	.28	.31	.42
PRIVATE HOUSEHOLD SERVICES	.03	.02	16.52	15.53	100.00	100.00	.03	.02	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.20	.26	.08	.09	.00	.00	.22	.26	.08	.09
ENGINEERING AND ARCHITECT SERV	.07	.13	.02	.03	.00	.00	.03	.05	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.13	.13	.05	.05	.00	.00	.19	.21	.08	.09
GOVERNMENT PUBLIC ADMINISTRATION	1.21	1.06	8.01	8.28	.00	.00	69.48	73.45	97.31	97.08
FEDERAL PUBLIC ADMINISTRATION	.76	.57	.72	.60	.00	.00	3.61	2.57	4.72	3.73
POSTAL SERVICE	.03	.01	.06	.10	.00	.00	.12	.10	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.74	.56	.67	.49	.00	.00	3.49	2.48	4.72	3.73
STATE PUBLIC ADMINISTRATION	.12	.14	1.08	1.03	.00	.00	8.37	8.15	.65	.69
LOCAL PUBLIC ADMINISTRATION	.33	.35	6.21	6.66	.00	.00	57.50	62.72	91.94	92.66

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	GUARDS, WATCHMEN, AND DOORKEEPERS		POLICE AND OTHER LAW ENF. OFFICERS		FOOD SERVICE WORKERS		BARTENDERS		COOKS, EXCEPT PRIVATE HOUSEHOLD	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.39	.35	.00	.00	.11	.08	.00	.00	.33	.24
AGRICULTURE	.31	.28	.00	.00	.09	.06	.00	.00	.26	.18
FORESTRY	.08	.07	.00	.00	.01	.00	.00	.00	.02	.01
FISHERIES	.00	.00	.00	.00	.02	.02	.00	.00	.05	.05
MINING	.83	.39	.03	.02	.03	.03	.00	.00	.09	.09
METAL MINING	.26	.16	.02	.02	.00	.00	.00	.00	.01	.00
COAL MINING	.18	.07	.01	.00	.00	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.07	.01	.00	.00	.02	.02	.00	.00	.07	.07
NONMETALLIC MINING AND QUARRYING	.31	.15	.00	.00	.00	.01	.00	.00	.01	.02
CONSTRUCTION	1.43	.72	.06	.05	.08	.06	.00	.00	.13	.08
TOTAL MANUFACTURING	24.71	18.85	.83	.71	.96	.80	.03	.02	.94	.74
DURABLE GOODS MANUFACTURING	16.63	13.33	.53	.46	.43	.37	.00	.00	.38	.30
LUMBER AND WOOD PRODUCTS	1.28	1.01	.01	.01	.01	.01	.00	.00	.03	.02
LOGGING CAMPS AND CONTRACTORS	.05	.04	.00	.00	.00	.00	.00	.00	.01	.01
SAWMILLS MILLWORK + MISC WOOD	1.23	.97	.01	.01	.01	.01	.00	.00	.02	.02
FURNITURE AND FIXTURES	.65	.69	.00	.00	.00	.00	.00	.00	.00	.00
STONE CLAY AND GLASS PRODUCTS	.88	.70	.02	.02	.03	.02	.00	.00	.02	.02
GLASS AND GLASS PRODUCTS	.31	.29	.00	.00	.02	.01	.00	.00	.01	.00
CEMENT CONCRETE AND PLASTER	.23	.16	.00	.00	.00	.00	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.12	.14	.00	.00	.00	.00	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.07	.06	.00	.00	.00	.00	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.15	.05	.02	.02	.01	.01	.00	.00	.01	.01
PRIMARY METAL INDUSTRIES	2.72	2.01	.12	.08	.05	.04	.00	.00	.04	.03
BLAST FURNACE AND STEEL WORKS	1.14	.84	.08	.05	.03	.02	.00	.00	.02	.01
OTHER PRIMARY METAL IND	.78	.60	.03	.03	.01	.01	.00	.00	.02	.01
PRIMARY NONFERROUS METAL	.80	.58	.02	.01	.01	.01	.00	.00	.01	.01
FABRICATED METAL PRODUCTS NEC	2.53	2.39	.10	.14	.06	.06	.00	.00	.05	.04
MACHINERY EXCEPT ELECTRICAL	2.16	1.57	.03	.04	.06	.05	.00	.00	.05	.03
FARM MACHINERY AND EQUIPMENT	.18	.20	.01	.01	.00	.00	.00	.00	.00	.00
OFFICE MACHINERY	.20	.09	.01	.01	.02	.02	.00	.00	.01	.01
MISCELLANEOUS MACHINERY	1.78	1.28	.02	.02	.04	.03	.00	.00	.04	.02
ELECTRICAL MACHINERY	2.17	1.42	.08	.05	.07	.07	.00	.00	.06	.06
TRANSPORTATION EQUIPMENT	3.31	2.63	.15	.10	.09	.08	.00	.00	.07	.06
MOTOR VEHICLES AND EQUIPMENT	1.35	1.20	.02	.01	.04	.04	.00	.00	.03	.03
AIR CRAFT AND ENGINES	1.09	.70	.08	.04	.04	.03	.00	.00	.02	.02
SHIP AND BOATBUILDING AND REP	.53	.47	.04	.03	.01	.01	.00	.00	.01	.01
RR AND OTHER TRANSPORT EQUIP	.33	.26	.01	.01	.00	.00	.00	.00	.01	.00
PROF SCIENTIFIC INSTRUMENTS	.54	.55	.01	.02	.03	.03	.00	.00	.01	.01
INSTRUMENTS EXCEPT CLOCKS	.50	.52	.01	.02	.03	.03	.00	.00	.01	.01
WATCHES AND CLOCK DEVICES	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.41	.35	.00	.00	.01	.01	.00	.00	.02	.02
NONDURABLE GOODS MANUFACTURING	8.08	5.52	.29	.25	.53	.43	.03	.02	.58	.45
FOOD AND KINDRED PRODUCTS	1.93	1.14	.07	.05	.28	.20	.03	.02	.35	.26
MEAT PRODUCTS	.35	.25	.05	.04	.03	.02	.00	.00	.06	.05
DAIRY PRODUCTS	.08	.00	.00	.00	.06	.03	.00	.00	.02	.01
CANNING PRESERVES + FREEZING	.45	.31	.01	.01	.05	.05	.00	.00	.09	.08
GRAIN MILL PRODUCTS	.14	.05	.00	.00	.01	.01	.00	.00	.01	.01
BAKERY PRODUCTS	.08	.06	.00	.00	.06	.04	.00	.00	.05	.03
BEVERAGE INDUSTRIES	.32	.14	.00	.00	.01	.01	.03	.02	.02	.02
OTHER FOOD PRODUCTS	.51	.32	.00	.00	.06	.04	.00	.00	.10	.06
TOBACCO MANUFACTURING	.11	.07	.00	.00	.01	.01	.06	.00	.01	.01
TEXTILE MILL PRODUCTS	.98	.53	.09	.08	.02	.02	.00	.00	.02	.02
APPAREL AND ACCESSORIES	.50	.45	.00	.00	.04	.04	.00	.00	.02	.01
PAPER AND ALLIED PRODUCTS	.94	.72	.01	.00	.03	.03	.00	.00	.05	.04
PULP PAPER AND BOARD MILLS	.54	.39	.01	.00	.02	.02	.00	.00	.04	.03
PAPERBOARD CONTAINERS + BOXES	.15	.11	.00	.00	.00	.00	.00	.00	.01	.01
ALL OTHER PAPER PRODUCTS	.25	.21	.00	.00	.01	.01	.00	.00	.00	.00
PRINTING AND PUBLISHING	.48	.26	.02	.02	.02	.01	.00	.00	.02	.01
CHEMICALS AND ALLIED PRODUCTS	2.06	1.52	.06	.06	.10	.09	.00	.00	.06	.05
SYNTHETIC FIBERS	.21	.18	.02	.02	.02	.02	.00	.00	.00	.00
DRUGS AND MEDICINE	.23	.25	.00	.00	.02	.01	.00	.00	.01	.01
PAINTS AND VARNISHES AND REL	.15	.10	.00	.00	.00	.00	.00	.00	.00	.00
OTHER CHEMICALS	1.47	.99	.04	.04	.06	.06	.00	.00	.04	.03
PETROLEUM REFIN AND COAL PROD	.30	.10	.00	.00	.01	.01	.00	.00	.03	.02
PETROLEUM REFINING	.19	.02	.00	.00	.01	.01	.00	.00	.03	.02
OTHER PETROL AND COAL PRODUCT	.10	.08	.00	.00	.00	.00	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.51	.48	.04	.03	.02	.02	.00	.00	.02	.02
RUBBER PRODUCTS	.29	.22	.03	.01	.02	.01	.00	.00	.02	.02
MISCELLANEOUS PLASTIC PRODUCT	.22	.26	.01	.02	.00	.00	.00	.00	.00	.00
LEATHER PRODUCTS	.29	.24	.00	.00	.00	.00	.00	.00	.01	.01
LEATHER TANNING AND FINISHING	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.19	.16	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.04	.03	.00	.00	.00	.00	.00	.00	.01	.01

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	GUARDS, WATCHMEN, AND DOORKEEPERS		POLICE AND OTHER LAW ENF. OFFICERS		FOOD SERVICE WORKERS		BARTENDERS		COOKS, EXCEPT PRIVATE HOUSEHOLD	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	5.27	3.17	1.45	1.34	.70	.47	.08	.05	1.12	.77
TRANSPORTATION	4.03	2.41	1.37	1.26	.58	.39	.08	.05	.99	.68
RAILROADS	.96	.37	.66	.41	.19	.06	.03	.01	.29	.09
LOCAL AND INTERURBAN PASSENGER	.27	.14	.18	.17	.06	.04	.00	.00	.05	.03
LOCAL + INTERURBAN EXC TAXIS	.27	.13	.18	.17	.06	.04	.00	.00	.05	.02
TAXIS	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.72	.43	.03	.03	.01	.01	.00	.00	.02	.02
TRUCKING	.40	.19	.02	.02	.00	.01	.00	.00	.01	.02
WAREHOUSING	.32	.24	.01	.00	.00	.00	.00	.00	.01	.01
WATER TRANSPORTATION	.65	.39	.08	.09	.26	.22	.05	.04	.51	.41
AIR TRANSPORTATION	.17	.03	.06	.08	.06	.05	.00	.00	.11	.12
PIPELINES	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	1.24	1.04	.37	.48	.00	.00	.00	.00	.01	.01
COMMUNICATIONS + PUBLIC UTILITIES	1.24	.77	.07	.08	.12	.08	.00	.00	.14	.09
COMMUNICATIONS	.19	.13	.02	.02	.11	.08	.00	.00	.12	.09
TELEPHONE	.06	.05	.01	.01	.11	.07	.00	.00	.11	.08
TELEGRAPH	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00
RADIO AND TV	.06	.05	.01	.01	.00	.00	.00	.00	.01	.00
PUBLIC UTILITIES	1.05	.64	.05	.06	.01	.01	.00	.00	.01	.00
ELECTRIC GAS AND STEAM	.64	.32	.03	.02	.01	.01	.00	.00	.01	.00
WATER AND IRRIGATION	.20	.15	.00	.00	.00	.00	.00	.00	.00	.00
SANITARY SERVICES	.22	.17	.02	.04	.00	.00	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	4.25	3.34	.47	.40	69.89	64.35	86.96	87.29	56.41	51.95
WHOLESALE TRADE	1.50	.85	.06	.11	.08	.06	.00	.00	.13	.10
MOTOR VEHICLES AND EQUIPMENT	.07	.04	.00	.00	.01	.01	.00	.00	.01	.00
DRUGS AND CHEMICALS	.03	.01	.00	.00	.01	.01	.00	.00	.02	.03
DRY GOODS AND APPAREL	.05	.05	.01	.02	.00	.00	.00	.00	.00	.00
GROCERIES AND RELATED	.19	.14	.00	.00	.03	.02	.00	.00	.06	.04
ELECTRIC HARDWARE AND PLUMBING	.07	.05	.00	.00	.00	.00	.00	.00	.01	.01
MACHINERY AND EQUIPMENT	.20	.17	.04	.06	.01	.01	.00	.00	.01	.01
MISCELLANEOUS WHOLESALE TRADE	.88	.37	.01	.00	.02	.01	.00	.00	.03	.02
RETAIL TRADE	2.75	2.49	.41	.29	69.81	64.28	86.96	87.29	56.28	51.85
LUMBER BUILDING AND FARM EQUIP	.30	.22	.00	.00	.01	.00	.00	.00	.01	.01
GENERAL MERCHANDISING	1.14	1.07	.33	.22	1.82	1.92	.00	.00	.66	.52
LIMITED PRICE STORES	.05	.04	.01	.00	.80	.73	.00	.00	.25	.19
OTHER GENERAL MERCHANDISING	1.09	1.03	.33	.21	1.03	1.19	.00	.00	.41	.33
FOOD AND DAIRY STORES	.25	.26	.04	.03	.74	.73	.00	.00	.53	.49
AUTO DEALERS AND GAS STATIONS	.19	.13	.00	.00	.02	.02	.00	.00	.01	.01
AUTO AND ACCESSORY DEALERS	.17	.11	.00	.00	.00	.00	.00	.00	.00	.00
GAS STATIONS	.02	.02	.00	.00	.02	.01	.00	.00	.01	.01
APPAREL AND ACCESSORIES	.09	.06	.02	.04	.01	.01	.00	.00	.01	.01
FURNITURE AND APPLIANCES	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00
EATING AND DRINKING PLACES	.48	.53	.01	.00	64.81	59.44	85.05	85.96	54.51	50.20
MISCELLANEOUS RETAIL STORES	.26	.17	.00	.00	2.40	2.16	1.92	1.33	.55	.61
DRUG STORES	.02	.02	.00	.00	2.16	1.99	.00	.00	.52	.60
OTHER RETAIL STORES	.24	.16	.00	.00	.23	.18	1.92	1.33	.03	.02
FINANCE INSURANCE AND REAL ESTATE	5.64	4.31	.33	.25	.22	.14	.00	.00	.20	.13
FINANCE	4.13	3.26	.12	.05	.10	.07	.00	.00	.11	.08
BANKS AND CREDIT AGENCIES	3.96	3.13	.10	.04	.09	.07	.00	.00	.10	.08
SECURITY AND INVESTMENT SERVICE	.17	.14	.01	.01	.01	.00	.00	.00	.01	.00
INSURANCE	.22	.23	.03	.02	.11	.07	.00	.00	.08	.05
REAL ESTATE	1.30	.91	.18	.18	.02	.00	.00	.00	.02	.01
SERVICES	26.31	37.27	4.99	4.97	27.44	33.56	12.92	12.64	39.64	44.91
HOTELS AND OTHER LODGING PLACES	.93	1.14	.19	.19	5.46	6.19	5.07	4.51	5.12	4.93
OTHER PERSONAL SERVICES	.27	.23	.05	.06	.02	.02	.00	.00	.02	.01
LAUNDRY CLEANERS AND VALET	.21	.13	.00	.00	.02	.02	.00	.00	.01	.01
ALL OTHER PERSONAL SERVICES	.06	.11	.05	.06	.01	.01	.00	.00	.00	.00
MISCELLANEOUS BUSINESS SERVICE	15.56	25.34	3.03	2.47	.04	.07	.00	.00	.06	.07
ADVERTISING	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	15.53	25.32	3.03	2.47	.04	.06	.00	.00	.06	.07
AUTO REPAIR SERVICES	.05	.06	.00	.00	.00	.00	.00	.00	.00	.00
OTHER REPAIR SERVICE	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.10	.05	.09	.10	.14	.13	.00	.00	.04	.03
MISC ENTERTAINMENT AND RECREATION	1.89	2.79	.18	.26	2.38	4.03	4.35	6.83	1.73	3.21
MEDICAL AND OTHER HEALTH SERVICES	2.30	1.79	.24	.14	4.85	3.43	.00	.00	9.50	6.19
HOSPITALS	2.05	1.63	.20	.11	3.79	2.29	.00	.00	6.79	3.29
OTHER MEDICAL AND HEALTH	.26	.16	.04	.03	1.06	1.14	.00	.00	2.71	2.90
LEGAL SERVICES	.00	.00	.02	.03	.00	.00	.00	.00	.00	.00
EDUCATIONAL SERVICES	3.05	3.75	.96	1.49	11.72	17.56	.00	.00	19.40	27.84
NONPROFIT MEMBER ORGANIZATIONS	1.60	1.48	.14	.11	2.80	2.09	3.46	1.23	3.74	2.60
WELFARE AND RELIGIOUS ORGANS	.93	1.02	.04	.03	1.25	1.03	.00	.00	2.47	1.70
OTHER NONPROFIT ORGANIZATIONS	.68	.46	.11	.08	1.55	1.07	3.46	1.23	1.27	.90
PRIVATE HOUSEHOLD SERVICES	.06	.05	.00	.00	.01	.01	.00	.00	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.45	.55	.07	.12	.03	.03	.04	.06	.03	.03
ENGINEERING AND ARCHITECT SERV	.05	.08	.01	.05	.00	.00	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.40	.46	.05	.07	.03	.03	.04	.06	.01	.03
GOVERNMENT PUBLIC ADMINISTRATION	31.16	31.61	91.84	92.26	.56	.51	.01	.01	1.13	1.09
FEDERAL PUBLIC ADMINISTRATION	3.66	1.80	3.09	2.59	.30	.26	.00	.00	.52	.45
POSTAL SERVICE	.29	.28	.02	.01	.00	.00	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	3.37	1.52	3.07	2.58	.30	.26	.00	.00	.52	.45
STATE PUBLIC ADMINISTRATION	11.16	10.94	9.20	9.60	.09	.09	.01	.01	.19	.20
LOCAL PUBLIC ADMINISTRATION	16.34	18.86	79.55	80.07	.16	.16	.01	.01	.42	.44

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	COUNTER AND FOUNTAIN WORKERS		WAITERS AND WAITRESSES		OTHER SERVICE WORKERS		AIRLINE STEWARDS AND STEWARDESSES		ATTENDANTS, HOSPITALS + OTHER INST	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL, ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.00	.00	.01	.01	.16	.16	.00	.00	.53	.44
AGRICULTURE	.00	.00	.00	.00	.15	.16	.00	.00	.53	.44
FORESTRY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MINING	.01	.01	.00	.00	.07	.06	.00	.00	.00	.00
METAL MINING	.01	.01	.00	.00	.02	.02	.00	.00	.00	.00
COAL MINING	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
CONSTRUCTION	.15	.13	.04	.04	.23	.27	.00	.00	.00	.00
TOTAL MANUFACTURING	2.97	2.08	.55	.53	3.31	2.36	.00	.00	.11	.10
DURABLE GOODS MANUFACTURING	1.68	1.22	.19	.20	1.61	1.19	.00	.00	.08	.08
LUMBER AND WOOD PRODUCTS	.00	.00	.00	.00	.05	.04	.00	.00	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00	.00	.00	.04	.04	.00	.00	.00	.00
FURNITURE AND FIXTURES	.02	.01	.00	.00	.07	.06	.00	.00	.01	.01
STONE CLAY AND GLASS PRODUCTS	.10	.06	.01	.02	.10	.06	.00	.00	.00	.00
GLASS AND GLASS PRODUCTS	.06	.03	.01	.01	.03	.02	.00	.00	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
STRUCTURAL CLAY PRODUCTS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
MISC NONMETALLIC AND STONE	.03	.02	.00	.00	.02	.01	.00	.00	.00	.00
PRIMARY METAL INDUSTRIES	.16	.10	.03	.03	.21	.12	.00	.00	.02	.02
BLAST FURNACE AND STEEL WORKS	.08	.06	.02	.02	.11	.05	.00	.00	.01	.01
OTHER PRIMARY METAL IND	.03	.02	.01	.01	.05	.03	.00	.00	.00	.00
PRIMARY NONFERROUS METAL	.05	.03	.01	.00	.05	.03	.00	.00	.01	.01
FABRICATED METAL PRODUCTS NEC	.22	.20	.03	.03	.22	.18	.00	.00	.00	.01
MACHINERY EXCEPT ELECTRICAL	.24	.21	.03	.02	.27	.22	.00	.00	.03	.03
FARM MACHINERY AND EQUIPMENT	.01	.00	.00	.00	.02	.02	.00	.00	.00	.00
OFFICE MACHINERY	.13	.14	.00	.00	.02	.02	.00	.00	.00	.00
MISCELLANEOUS MACHINERY	.11	.06	.03	.02	.23	.19	.00	.00	.03	.03
ELECTRICAL MACHINERY	.32	.24	.03	.04	.27	.19	.00	.00	.01	.00
TRANSPORTATION EQUIPMENT	.40	.24	.04	.05	.30	.20	.00	.00	.02	.01
MOTOR VEHICLES AND EQUIPMENT	.17	.12	.02	.04	.14	.09	.00	.00	.00	.00
AIR CRAFT AND ENGINES	.21	.12	.01	.01	.09	.06	.00	.00	.00	.00
SHIP AND BOATBUILDING AND REP	.02	.01	.01	.01	.04	.03	.00	.00	.02	.01
RR AND OTHER TRANSPORT EQUIP	.01	.00	.00	.00	.03	.02	.00	.00	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.19	.13	.01	.01	.06	.04	.00	.00	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.19	.13	.01	.01	.05	.04	.00	.00	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MISCELLANEOUS MANUFACTURING	.04	.03	.00	.00	.08	.06	.00	.00	.00	.00
NONDURABLE GOODS MANUFACTURING	1.29	.86	.36	.33	1.70	1.17	.00	.00	.02	.03
FOOD AND KINDRED PRODUCTS	.52	.28	.21	.15	.51	.29	.00	.00	.02	.02
MEAT PRODUCTS	.07	.05	.01	.00	.08	.06	.00	.00	.00	.00
DAIRY PRODUCTS	.15	.02	.08	.04	.03	.02	.00	.00	.00	.00
CANNING PRESERVES + FREEZING	.06	.05	.03	.04	.07	.05	.00	.00	.01	.02
GRAIN MILL PRODUCTS	.01	.02	.00	.00	.03	.01	.00	.00	.00	.00
BAKERY PRODUCTS	.06	.02	.07	.05	.14	.08	.00	.00	.00	.00
BEVERAGE INDUSTRIES	.04	.03	.00	.00	.05	.03	.00	.00	.00	.00
OTHER FOOD PRODUCTS	.13	.08	.02	.01	.10	.04	.00	.00	.00	.00
TOBACCO MANUFACTURING	.01	.01	.00	.00	.04	.03	.00	.00	.00	.00
TEXTILE MILL PRODUCTS	.04	.02	.02	.03	.19	.10	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.11	.09	.04	.05	.17	.17	.00	.00	.00	.00
PAPER AND ALLIED PRODUCTS	.07	.04	.02	.02	.14	.11	.00	.00	.00	.00
PULP PAPER AND BOARD MILLS	.04	.02	.01	.01	.06	.04	.00	.00	.00	.00
PAPERBOARD CONTAINERS + BOXES	.01	.01	.00	.00	.05	.03	.00	.00	.00	.00
ALL OTHER PAPER PRODUCTS	.02	.01	.01	.01	.03	.03	.00	.00	.00	.00
PRINTING AND PUBLISHING	.05	.03	.01	.01	.23	.17	.00	.00	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.41	.34	.05	.06	.23	.17	.00	.00	.00	.00
SYNTHETIC FIBERS	.12	.09	.01	.01	.04	.03	.00	.00	.00	.00
DRUGS AND MEDICINE	.08	.04	.00	.00	.04	.04	.00	.00	.00	.00
PAINTS AND VARNISHES AND REL	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00
OTHER CHEMICALS	.19	.20	.04	.05	.14	.10	.00	.00	.00	.00
PETROLEUM REFIN AND COAL PROD	.00	.00	.00	.00	.03	.01	.00	.00	.00	.00
PETROLEUM REFINING	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.07	.05	.00	.00	.11	.09	.00	.00	.00	.00
RUBBER PRODUCTS	.06	.04	.00	.00	.06	.04	.00	.00	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.01	.01	.00	.00	.05	.05	.00	.00	.00	.00
LEATHER PRODUCTS	.01	.01	.00	.00	.04	.03	.00	.00	.00	.00
LEATHER TANNING AND FINISHING	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00	.00	.00	.03	.02	.00	.00	.00	.00
ALL OTHER LEATHER PRODUCTS	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	COUNTER AND FOUNTAIN WORKERS		WAITERS AND WAITRESSES		OTHER SERVICE WORKERS		AIRLINE STEWARDS AND STEWARDESSES		ATTENDANTS, HOSPITALS + OTHER INST	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	.44	.24	.57	.39	2.16	1.86	100.00	100.00	.00	.00
TRANSPORTATION	.13	.08	.49	.32	1.64	1.54	100.00	100.00	.00	.00
RAILROADS	.00	.00	.19	.06	.25	.09	.00	.00	.00	.00
LOCAL AND INTERURBAN PASSENGER	.01	.01	.08	.08	.18	.13	.00	.00	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.01	.01	.08	.07	.18	.13	.00	.00	.00	.00
TAXIS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRUCKING AND WAREHOUSING	.00	.00	.00	.00	.11	.08	.00	.00	.00	.00
TRUCKING	.00	.00	.00	.00	.09	.07	.00	.00	.00	.00
WAREHOUSING	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
WATER TRANSPORTATION	.01	.01	.19	.18	.12	.06	.00	.00	.00	.00
AIR TRANSPORTATION	.10	.06	.02	.00	.95	1.14	100.00	100.00	.00	.00
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TRANSPORTATION SERVICES	.00	.00	.00	.00	.03	.03	.00	.00	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.32	.16	.08	.06	.52	32	.00	.00	.00	.00
COMMUNICATIONS	.29	.15	.07	.06	.30	.16	.00	.00	.00	.00
TELEPHONE	.29	.15	.07	.06	.24	.12	.00	.00	.00	.00
TELEGRAPH	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
RADIO AND TV	.00	.00	.00	.00	.05	.03	.00	.00	.00	.00
PUBLIC UTILITIES	.02	.01	.01	.00	.22	.16	.00	.00	.00	.00
ELECTRIC GAS AND STEAM	.02	.01	.01	.00	.18	.12	.00	.00	.00	.00
WATER AND IRRIGATION	.00	.00	.00	.00	.02	.02	.00	.00	.00	.00
SANITARY SERVICES	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
WHOLESALE AND RETAIL TRADE	56.63	49.11	80.57	74.99	11.43	8.50	.00	.00	.03	.02
WHOLESALE TRADE	.10	.05	.05	.05	.51	.40	.00	.00	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.02	.01	.01	.01	.04	.03	.00	.00	.00	.00
DRUGS AND CHEMICALS	.01	.00	.00	.00	.03	.02	.00	.00	.00	.00
DRY GOODS AND APPAREL	.00	.00	.00	.00	.03	.02	.00	.00	.00	.00
GROCERIES AND RELATED	.05	.02	.01	.01	.07	.04	.00	.00	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00	.00	.00	.05	.04	.00	.00	.00	.00
MACHINERY AND EQUIPMENT	.00	.00	.01	.01	.09	.07	.00	.00	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.03	.01	.01	.01	.20	.18	.00	.00	.00	.00
RETAIL TRADE	56.53	49.06	80.52	74.95	10.92	8.11	.00	.00	.02	.02
LUMBER BUILDING AND FARM EQUIP	.02	.01	.00	.00	.07	.04	.00	.00	.00	.00
GENERAL MERCHANDISING	3.86	4.30	2.36	2.49	1.36	.87	.00	.00	.02	.02
LIMITED PRICE STORES	1.67	1.49	1.06	1.00	.15	.10	.00	.00	.00	.00
OTHER GENERAL MERCHANDISING	2.19	2.80	1.30	1.49	1.22	.77	.00	.00	.02	.02
FOOD AND DAIRY STORES	1.68	1.82	.74	.66	.33	.29	.00	.00	.00	.00
AUTO DEALERS AND GAS STATIONS	.04	.03	.03	.03	.31	.24	.00	.00	.00	.00
AUTO AND ACCESSORY DEALERS	.01	.01	.01	.01	.26	.20	.00	.00	.00	.00
GAS STATIONS	.03	.02	.02	.02	.06	.04	.00	.00	.00	.00
APPAREL AND ACCESSORIES	.01	.00	.02	.01	.39	.26	.00	.00	.00	.00
FURNITURE AND APPLIANCES	.00	.00	.00	.00	.17	.10	.00	.00	.00	.00
EATING AND DRINKING PLACES	40.83	35.17	75.73	70.14	7.89	6.03	.00	.00	.00	.00
MISCELLANEOUS RETAIL STORES	10.10	7.73	1.63	1.62	.39	.29	.00	.00	.00	.00
DRUG STORES	9.84	7.47	1.52	1.54	.21	.18	.00	.00	.00	.00
OTHER RETAIL STORES	.26	.25	.11	.08	.18	.10	.00	.00	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.57	.30	.17	.12	3.79	1.83	.00	.00	.00	.00
FINANCE	.16	.11	.09	.07	96	.67	.00	.00	.00	.00
BANKS AND CREDIT AGENCIES	.15	.10	.08	.06	.91	.64	.00	.00	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.01	.01	.00	.05	.03	.00	.00	.00	.00
INSURANCE	.38	.18	.07	.05	.32	.22	.00	.00	.00	.00
REAL ESTATE	.03	.01	.02	.00	2.50	.95	.00	.00	.00	.00
SERVICES	38.66	47.78	17.86	23.70	76.98	83.36	.00	.00	98.49	98.66
HOTELS AND OTHER LODGING PLACES	.83	1.02	7.05	9.11	8.63	7.40	.00	.00	.05	.07
OTHER PERSONAL SERVICES	.05	.06	.03	.02	12.64	13.89	.00	.00	.03	.04
LAUNDRY CLEANERS AND VALET	.02	.02	.02	.02	.18	.16	.00	.00	.02	.03
ALL OTHER PERSONAL SERVICES	.03	.04	.00	.00	12.46	13.73	.00	.00	.01	.01
MISCELLANEOUS BUSINESS SERVICE	.08	.07	.02	.07	2.57	3.90	.00	.00	.02	.02
ADVERTISING	.01	.00	.00	.00	.01	.01	.00	.00	.00	.00
OTHER MISC BUSINESS SERVICES	.07	.06	.02	.07	2.56	3.89	.00	.00	.02	.02
AUTO REPAIR SERVICES	.00	.00	.00	.00	.05	.04	.00	.00	.00	.00
OTHER REPAIR SERVICE	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
MOTION PICTURES AND THEATRES	.30	.25	.18	.19	.82	.39	.00	.00	.00	.00
MISC ENTERTAINMENT AND RECREATION	1.14	1.42	2.89	5.05	2.52	2.56	.00	.00	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	7.28	5.94	1.61	1.09	30.45	36.15	.00	.00	93.40	94.53
HOSPITALS	6.78	5.45	1.40	.87	22.78	25.06	.00	.00	74.43	72.26
OTHER MEDICAL AND HEALTH	.50	.49	.20	.23	7.67	11.09	.00	.00	18.96	22.27
LEGAL SERVICES	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00
EDUCATIONAL SERVICES	27.63	37.91	3.61	5.93	11.01	12.83	.00	.00	1.68	2.10
NONPROFIT MEMBER ORGANIZATIONS	1.28	1.05	2.45	2.20	7.21	5.32	.00	.00	2.90	1.65
WELFARE AND RELIGIOUS ORGANS	.64	.55	.75	.85	6.13	4.81	.00	.00	2.81	1.58
OTHER NONPROFIT ORGANIZATIONS	.64	.51	1.70	1.35	1.08	.51	.00	.00	.09	.07
PRIVATE HOUSEHOLD SERVICES	.01	.00	.01	.02	.92	.69	.00	.00	.41	.25
OTHER PROFESSIONAL AND RELAT SERV	.07	.07	.01	.02	.10	.11	.00	.00	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00	.00	.00	.02	.01	.00	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.07	.07	.01	.02	.05	.04	.00	.00	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.57	.36	.23	.21	1.88	1.60	.00	.00	.85	.78
FEDERAL PUBLIC ADMINISTRATION	.36	.26	.18	.16	.58	.53	.00	.00	.18	.14
POSTAL SERVICE	.00	.00	.00	.00	.09	.17	.00	.00	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.36	.26	.18	.16	.49	.36	.00	.00	.18	.14
STATE PUBLIC ADMINISTRATION	.09	.05	.04	.04	.44	.37	.00	.00	.50	.49
LOCAL PUBLIC ADMINISTRATION	.11	.05	.02	.02	.86	.71	.00	.00	.17	.14

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NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CHARWOMEN AND CLEANERS		JANITORS AND SEXTONS		NURSES,PRACTICAL		OTHER SERVICE WORKERS,NEC		LABORERS EXCEPT FARM AND MINE	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	.03	.03	.06	.04	.01	.01	.11	.13	4.19	4.40
AGRICULTURE	.02	.02	.05	.02	.01	.01	.11	.13	2.87	3.11
FORESTRY	.01	.01	.01	.01	.00	.00	.00	.00	.35	.33
FISHERIES	.00	.00	.00	.00	.00	.00	.00	.00	.97	.96
MINING	.13	.12	.23	.17	.01	.01	.04	.05	.00	.00
METAL MINING	.05	.05	.10	.06	.01	.01	.01	.00	.00	.00
COAL MINING	.02	.01	.03	.02	.00	.00	.01	.00	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.04	.04	.06	.05	.00	.00	.02	.02	.00	.00
NONMETALLIC MINING AND QUARRYING	.03	.02	.05	.05	.00	.00	.01	.02	.00	.00
CONSTRUCTION	1.04	1.22	.56	.73	.00	.00	.15	.18	21.89	25.65
TOTAL MANUFACTURING	8.39	6.37	9.33	6.89	.15	.09	2.39	1.89	26.42	20.53
DURABLE GOODS MANUFACTURING	4.21	3.61	4.75	3.51	.11	.06	1.07	.88	17.01	14.07
LUMBER AND WOOD PRODUCTS	.14	.16	.16	.15	.00	.00	.02	.03	4.98	3.99
LOGGING CAMPS AND CONTRACTORS	.00	.00	.00	.00	.00	.00	.00	.00	2.09	1.87
SAWMILLS MILLWORK + MISC WOOD	.14	.16	.16	.15	.00	.00	.02	.03	2.90	2.13
FURNITURE AND FIXTURES	.17	.16	.24	.25	.01	.00	.03	.02	.54	.47
STONE CLAY AND GLASS PRODUCTS	.40	.38	.30	.21	.00	.00	.05	.02	1.86	1.62
GLASS AND GLASS PRODUCTS	.11	.08	.11	.06	.00	.00	.02	.01	.35	.25
CEMENT CONCRETE AND PLASTER	.12	.16	.07	.05	.00	.00	.01	.01	.72	.71
STRUCTURAL CLAY PRODUCTS	.03	.04	.02	.02	.00	.00	.00	.00	.44	.47
POTTERY AND RELATED PRODUCTS	.05	.04	.03	.01	.00	.00	.00	.00	.09	.03
MISC NONMETALLIC AND STONE	.09	.06	.07	.06	.00	.00	.01	.00	.26	.16
PRIMARY METAL INDUSTRIES	.36	.26	.45	.28	.03	.01	.21	.11	4.17	3.25
BLAST FURNACE AND STEEL WORKS	.03	.02	.07	.04	.01	.00	.17	.09	2.48	2.01
OTHER PRIMARY METAL IND	.23	.17	.19	.11	.00	.00	.02	.01	1.01	.70
PRIMARY NONFERROUS METAL	.11	.07	.19	.12	.02	.01	.02	.01	.69	.53
FABRICATED METAL PRODUCTS NEC	.69	.55	.69	.56	.03	.03	.12	.13	1.70	1.34
MACHINERY EXCEPT ELECTRICAL	.89	.86	.87	.66	.01	.01	.14	.14	1.19	1.04
FARM MACHINERY AND EQUIPMENT	.04	.03	.09	.09	.00	.00	.00	.00	.14	.14
OFFICE MACHINERY	.03	.02	.08	.06	.00	.00	.02	.01	.04	.04
MISCELLANEOUS MACHINERY	.82	.80	.70	.51	.01	.01	.11	.12	1.00	.87
ELECTRICAL MACHINERY	.47	.39	.69	.50	.00	.00	.23	.20	.74	.60
TRANSPORTATION EQUIPMENT	.87	.66	.96	.61	.02	.01	.16	.13	1.35	1.30
MOTOR VEHICLES AND EQUIPMENT	.62	.46	.43	.22	.00	.00	.07	.06	.55	.58
AIR CRAFT AND ENGINES	.06	.05	.31	.22	.00	.00	.05	.04	.14	.08
SHIP AND BOATBUILDING AND REP	.11	.10	.11	.09	.02	.01	.01	.01	.41	.43
RR AND OTHER TRANSPORT EQUIP	.07	.06	.11	.07	.00	.00	.02	.02	.25	.22
PROF SCIENTIFIC INSTRUMENTS	.06	.05	.16	.13	.00	.00	.05	.04	.15	.13
INSTRUMENTS EXCEPT CLOCKS	.05	.05	.16	.13	.00	.00	.05	.04	.14	.12
WATCHES AND CLOCK DEVICES	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01
MISCELLANEOUS MANUFACTURING	.16	.13	.24	.18	.00	.00	.06	.05	.32	.32
NONDURABLE GOODS MANUFACTURING	4.18	2.77	4.58	3.38	.05	.03	1.32	1.01	9.42	6.46
FOOD AND KINDRED PRODUCTS	.94	.61	1.22	.81	.04	.02	.47	.25	3.82	2.77
MEAT PRODUCTS	.19	.13	.23	.16	.01	.01	.07	.05	.82	.64
DAIRY PRODUCTS	.04	.01	.12	.08	.00	.00	.02	.01	.36	.24
CANNING PRESERVES + FREEZING	.08	.06	.23	.18	.02	.01	.05	.03	.71	.64
GRAIN MILL PRODUCTS	.20	.10	.07	.03	.01	.00	.02	.00	.46	.29
BAKERY PRODUCTS	.18	.12	.28	.17	.00	.00	.15	.10	.24	.17
BEVERAGE INDUSTRIES	.12	.13	.12	.07	.00	.00	.04	.02	.62	.40
OTHER FOOD PRODUCTS	.12	.07	.17	.12	.00	.00	.12	.04	.62	.40
TOBACCO MANUFACTURING	.25	.19	.07	.04	.00	.00	.03	.02	.15	.10
TEXTILE MILL PRODUCTS	1.34	.50	.61	.28	.00	.00	.09	.07	1.00	.72
APPAREL AND ACCESSORIES	.39	.47	.42	.49	.00	.00	.15	.14	.30	.25
PAPER AND ALLIED PRODUCTS	.25	.20	.32	.43	.00	.00	.07	.05	1.10	.66
PULP PAPER AND BOARD MILLS	.16	.15	.20	.15	.00	.00	.03	.02	.61	.36
PAPERBOARD CONTAINERS + BOXES	.05	.03	.18	.13	.00	.00	.03	.02	.32	.21
ALL OTHER PAPER PRODUCTS	.04	.02	.14	.15	.00	.00	.01	.01	.17	.09
PRINTING AND PUBLISHING	.41	.29	.61	.41	.00	.00	.20	.19	.43	.37
CHEMICALS AND ALLIED PRODUCTS	.40	.35	.70	.46	.00	.00	.18	.18	1.37	.55
SYNTHETIC FIBERS	.03	.02	.12	.09	.00	.00	.03	.03	.11	.05
DRUGS AND MEDICINE	.04	.04	.11	.10	.00	.00	.04	.04	.08	.06
PAINTS AND VARNISHES AND REL	.03	.02	.03	.02	.00	.00	.01	.01	.12	.10
OTHER CHEMICALS	.29	.27	.43	.26	.00	.00	.10	.09	1.06	.35
PETROLEUM REFIN AND COAL PROD	.01	.00	.09	.02	.00	.00	.03	.02	.34	.12
PETROLEUM REFINING	.01	.00	.07	.01	.00	.00	.02	.01	.22	.05
OTHER PETROL AND COAL PRODUCT	.00	.00	.02	.02	.00	.00	.01	.01	.12	.07
RUBBER AND MISC PLASTIC PRODUCT	.10	.09	.42	.34	.00	.00	.07	.07	.64	.66
RUBBER PRODUCTS	.05	.02	.22	.10	.00	.00	.04	.04	.42	.38
MISCELLANEOUS PLASTIC PRODUCT	.05	.06	.21	.24	.00	.00	.03	.02	.22	.28
LEATHER PRODUCTS	.09	.06	.10	.09	.01	.00	.04	.03	.27	.25
LEATHER TANNING AND FINISHING	.00	.00	.02	.01	.00	.00	.00	.00	.08	.06
FOOTWEAR EXCEPT RUBBER	.05	.03	.07	.07	.01	.00	.02	.02	.13	.14
ALL OTHER LEATHER PRODUCTS	.04	.03	.01	.01	.00	.00	.01	.01	.05	.05

DISTRIBUTIONS FOR THESE OCCUPATIONS CONTINUED ON NEXT PAGE

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	CHARWOMEN AND CLEANERS		JANITORS AND SEXTONS		NURSES, PRACTICAL		OTHER SERVICE WORKERS, NEC		LABORERS EXCEPT FARM AND MINE	
	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO	1970 RATIO	1980 RATIO
TRANSPORTATION COMMUNICATION AND PU	2.47	1.85	2.61	1.84	.02	.01	1.66	1.14	12.77	11.84
TRANSPORTATION	1.25	.96	.94	.72	.01	.01	1.34	.95	7.88	6.62
RAILROADS	.64	.42	.23	.10	.00	.00	.34	.12	1.61	.82
LOCAL AND INTERURBAN PASSENGER	.12	.09	.14	.11	.00	.00	.28	.24	.19	.17
LOCAL + INTERURBAN EXC TAXIS	.12	.09	.14	.11	.00	.00	.27	.24	.18	.16
TAXIS	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01
TRUCKING AND WAREHOUSING	.31	.29	.27	.27	.00	.00	.08	.05	3.71	3.56
TRUCKING	.27	.26	.22	.25	.00	.00	.06	.04	3.15	3.13
WAREHOUSING	.04	.03	.04	.03	.00	.00	.02	.01	.56	.43
WATER TRANSPORTATION	.06	.06	.04	.04	.00	.00	.20	.11	1.84	1.59
AIR TRANSPORTATION	.12	.10	.23	.19	.00	.00	.38	.38	.26	.25
PIPELINES	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03
TRANSPORTATION SERVICES	.00	.00	.02	.01	.00	.00	.05	.05	.24	.20
COMMUNICATIONS + PUBLIC UTILITIES	1.22	.89	1.67	1.12	.01	.00	.32	.19	4.89	5.21
COMMUNICATIONS	.81	.49	.89	.55	.00	.00	.20	.09	.21	.12
TELEPHONE	.69	.37	.78	.48	.00	.00	.14	.05	.18	.09
TELEGRAPH	.02	.01	.03	.01	.00	.00	.01	.00	.01	.00
RADIO AND TV	.10	.10	.09	.06	.00	.00	.05	.04	.02	.03
UBLIC UTILITIES	.41	.40	.78	.57	.01	.00	.12	.10	4.68	5.09
ELECTRIC GAS AND STEAM	.32	.27	.68	.47	.00	.00	.10	.08	1.15	.86
WATER AND IRRIGATION	.07	.12	.06	.07	.00	.00	.01	.01	.44	.60
SANITARY SERVICES	.02	.02	.04	.03	.01	.00	.01	.01	3.09	3.63
WHOLESALE AND RETAIL TRADE	12.62	12.66	6.29	5.10	.02	.01	18.30	14.95	18.12	20.26
WHOLESALE TRADE	1.45	1.89	1.02	.75	.00	.00	.49	.37	6.83	6.51
MOTOR VEHICLES AND EQUIPMENT	.02	.02	.12	.10	.00	.00	.03	.03	.30	.32
DRUGS AND CHEMICALS	.10	.11	.05	.04	.00	.00	.03	.02	.23	.25
DRY GOODS AND APPAREL	.01	.01	.02	.01	.00	.00	.05	.03	.06	.06
GROCERIES AND RELATED	.18	.18	.16	.11	.00	.00	.07	.02	1.47	1.15
ELECTRIC HARDWARE AND PLUMBING	.21	.27	.10	.07	.00	.00	.05	.03	.55	.58
MACHINERY AND EQUIPMENT	.26	.36	.24	.20	.00	.00	.07	.04	.55	.55
MISCELLANEOUS WHOLESALE TRADE	.67	.95	.33	.22	.00	.00	.21	.20	3.67	3.60
RETAIL TRADE	11.16	10.77	5.28	4.35	.02	.01	17.81	14.59	11.29	13.75
LUMBER BUILDING AND FARM EQUIP	.30	.20	.22	.14	.00	.00	.04	.02	1.20	1.05
GENERAL MERCHANDISING	1.15	.91	.97	.61	.01	.01	2.15	1.53	1.60	2.12
LIMITED PRICE STORES	.14	.14	.13	.09	.00	.00	.22	.17	.30	.32
OTHER GENERAL MERCHANDISING	1.01	.77	.85	.52	.01	.01	1.92	1.36	1.30	1.80
FOOD AND DAIRY STORES	1.00	1.17	.47	.50	.00	.00	.37	.30	4.41	5.93
AUTO DEALERS AND GAS STATIONS	.60	.57	.48	.40	.00	.00	.38	.31	1.89	2.54
AUTO AND ACCESSORY DEALERS	.46	.38	.45	.38	.00	.00	.30	.26	1.46	2.11
GAS STATIONS	.15	.19	.02	.03	.00	.00	.09	.05	.43	.43
APPAREL AND ACCESSORIES	.72	.65	.44	.39	.00	.00	.52	.35	.33	.35
FURNITURE AND APPLIANCES	.68	.68	.16	.12	.00	.00	.19	.08	.37	.31
EATING AND DRINKING PLACES	5.62	5.52	1.94	1.70	.00	.00	13.72	11.68	.24	.28
MISCELLANEOUS RETAIL STORES	1.09	1.06	.58	.49	.00	.00	.45	.32	1.25	1.15
DRUG STORES	.31	.29	.30	.33	.00	.00	.27	.25	.24	.34
OTHER RETAIL STORES	.78	.77	.28	.15	.00	.00	.17	.07	1.02	.80
FINANCE INSURANCE AND REAL ESTATE	9.98	5.44	9.26	5.15	.05	.03	3.19	1.52	1.44	1.46
FINANCE	3.63	3.39	2.63	1.93	.01	.01	.61	.37	.07	.05
BANKS AND CREDIT AGENCIES	3.52	3.29	2.50	1.84	.01	.01	.57	.36	.05	.04
SECURITY AND INVESTMENT SERVICE	.11	.10	.13	.09	.00	.00	.04	.01	.02	.01
INSURANCE	1.40	.99	.54	.41	.02	.01	.29	.21	.04	.03
REAL ESTATE	4.95	1.06	6.09	2.81	.02	.01	2.29	.95	1.33	1.37
SERVICES	62.22	70.11	66.62	75.37	99.00	99.20	72.89	79.04	10.67	11.13
HOTELS AND OTHER LODGING PLACES	9.48	13.12	1.36	1.21	.17	.12	14.87	13.80	.39	.50
OTHER PERSONAL SERVICES	1.86	2.26	.88	1.14	.16	.19	23.40	29.06	.25	.33
LAUNDRY CLEANERS AND VALET	.04	.03	.49	.56	.00	.00	.17	.14	.17	.20
ALL OTHER PERSONAL SERVICES	1.82	2.22	.40	.57	.16	.19	23.23	28.93	.08	.12
MISCELLANEOUS BUSINESS SERVICE	20.51	24.49	5.18	11.13	.70	.95	.99	1.41	.71	1.20
ADVERTISING	.08	.07	.02	.02	.00	.00	.01	.00	.04	.04
OTHER MISC BUSINESS SERVICES	20.43	24.41	5.15	11.11	.70	.95	.98	1.40	.67	1.16
AUTO REPAIR SERVICES	.16	.13	.07	.07	.00	.00	.05	.05	1.00	1.47
OTHER REPAIR SERVICE	.10	.15	.07	.10	.00	.00	.01	.01	.19	.20
MOTION PICTURES AND THEATRES	.87	.57	.63	.32	.01	.00	1.26	.65	.06	.05
MISC ENTERTAINMENT AND RECREATION	.94	1.38	2.18	3.27	.03	.04	3.96	4.21	1.10	1.75
MEDICAL AND OTHER HEALTH SERVICES	14.81	13.30	4.90	4.36	84.84	96.00	12.93	11.25	.59	.33
HOSPITALS	7.52	5.01	3.50	2.50	47.12	47.27	10.96	9.37	.42	.20
OTHER MEDICAL AND HEALTH	7.29	8.49	1.40	1.86	37.72	48.73	1.96	1.88	.17	.13
LEGAL SERVICES	.35	.32	.10	.14	.02	.01	.02	.01	.01	.01
EDUCATIONAL SERVICES	7.73	9.86	32.41	37.97	.54	.42	9.14	12.46	1.34	1.73
NONPROFIT MEMBER ORGANIZATIONS	4.30	3.54	18.14	15.18	2.80	1.12	6.15	4.86	.77	.79
WELFARE AND RELIGIOUS ORGANS	3.29	2.86	16.23	13.93	2.76	1.10	4.85	4.32	.61	.70
OTHER NONPROFIT ORGANIZATIONS	1.01	.68	1.91	1.26	.04	.02	1.31	.54	.16	.09
PRIVATE HOUSEHOLD SERVICES	.77	.42	.41	.22	9.70	.32	.03	1.18	4.22	2.71
OTHER PROFESSIONAL AND RELAT SERV	.33	.38	.22	.27	.05	.03	.08	.09	.05	.06
ENGINEERING AND ARCHITECT SERV	.08	.12	.08	.13	.00	.01	.02	.05	.02	.03
ACCOUNTING AND BOOKKEEPING SERV	.15	.14	.02	.03	.00	.00	.01	.00	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.10	.11	.11	.12	.04	.02	.05	.04	.03	.03
GOVERNMENT PUBLIC ADMINISTRATION	3.12	2.20	5.04	4.70	.75	.64	1.27	1.09	4.51	4.72
FEDERAL PUBLIC ADMINISTRATION	1.01	.66	1.55	1.78	.11	.08	.43	.37	2.57	2.62
POSTAL SERVICE	.00	.00	.54	1.07	.00	.00	.01	.01	1.31	1.55
OTHER FEDERAL PUBLIC ADMIN	1.01	.66	1.01	.70	.11	.08	.43	.36	1.26	1.08
STATE PUBLIC ADMINISTRATION	.42	.22	.87	.74	.33	.29	.30	.23	.26	.28
LOCAL PUBLIC ADMINISTRATION	1.70	1.32	2.62	2.19	.31	.27	.54	.49	1.67	1.82

NATIONAL INDUSTRY-OCCUPATIONAL EMPLOYMENT MATRIX, 1970 AND PROJECTED 1980
(PERCENT DISTRIBUTION OF OCCUPATIONAL EMPLOYMENT BY INDUSTRY)

INDUSTRY	FARMERS AND FARM WORKERS	
	1970 RATIO	1980 RATIO
TOTAL,ALL INDUSTRIES	100.00	100.00
AGRICULTURE FORESTRY AND FISHERIES	100.00	100.00
AGRICULTURE	100.00	100.00
FORESTRY	.00	.00
FISHERIES	.00	.00
MINING	.00	.00
METAL MINING	.00	.00
COAL MINING	.00	.00
CRUDE PETROLEUM AND NATURAL GAS	.00	.00
NONMETALLIC MINING AND QUARRYING	.00	.00
CONSTRUCTION	.00	.00
TOTAL MANUFACTURING	.00	.00
DURABLE GOODS MANUFACTURING	.00	.00
LUMBER AND WOOD PRODUCTS	.00	.00
LOGGING CAMPS AND CONTRACTORS	.00	.00
SAWMILLS MILLWORK + MISC WOOD	.00	.00
FURNITURE AND FIXTURES	.00	.00
STONE CLAY AND GLASS PRODUCTS	.00	.00
GLASS AND GLASS PRODUCTS	.00	.00
CEMENT CONCRETE AND PLASTER	.00	.00
STRUCTURAL CLAY PRODUCTS	.00	.00
POTTERY AND RELATED PRODUCTS	.00	.00
MISC NONMETALLIC AND STONE	.00	.00
PRIMARY METAL INDUSTRIES	.00	.00
BLAST FURNACE AND STEEL WORKS	.00	.00
OTHER PRIMARY METAL IND	.00	.00
PRIMARY NONFERROUS METAL	.00	.00
FABRICATED METAL PRODUCTS NEC	.00	.00
MACHINERY EXCEPT ELECTRICAL	.00	.00
FARM MACHINERY AND EQUIPMENT	.00	.00
OFFICE MACHINERY	.00	.00
MISCELLANEOUS MACHINERY	.00	.00
ELECTRICAL MACHINERY	.00	.00
TRANSPORTATION EQUIPMENT	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00
AIR CRAFT AND ENGINES	.00	.00
SHIP AND BOATBUILDING AND REP	.00	.00
RR AND OTHER TRANSPORT EQUIP	.00	.00
PROF SCIENTIFIC INSTRUMENTS	.00	.00
INSTRUMENTS EXCEPT CLOCKS	.00	.00
WATCHES AND CLOCK DEVICES	.00	.00
MISCELLANEOUS MANUFACTURING	.00	.00
NONDURABLE GOODS MANUFACTURING	.00	.00
FOOD AND KINDRED PRODUCTS	.00	.00
MEAT PRODUCTS	.00	.00
DAIRY PRODUCTS	.00	.00
CANNING PRESERVES + FREEZING	.00	.00
GRAIN MILL PRODUCTS	.00	.00
BAKERY PRODUCTS	.00	.00
BEVERAGE INDUSTRIES	.00	.00
OTHER FOOD PRODUCTS	.00	.00
TOBACCO MANUFACTURING	.00	.00
TEXTILE MILL PRODUCTS	.00	.00
APPAREL AND ACCESSORIES	.00	.00
PAPER AND ALLIED PRODUCTS	.00	.00
PULP PAPER AND BOARD MILLS	.00	.00
PAPERBOARD CONTAINERS + BOXES	.00	.00
ALL OTHER PAPER PRODUCTS	.00	.00
PRINTING AND PUBLISHING	.00	.00
CHEMICALS AND ALLIED PRODUCTS	.00	.00
SYNTHETIC FIBERS	.00	.00
DRUGS AND MEDICINE	.00	.00
PAINTS AND VARNISHES AND REL	.00	.00
OTHER CHEMICALS	.00	.00
PETROLEUM REFIN AND COAL PROD	.00	.00
PETROLEUM REFINING	.00	.00
OTHER PETROL AND COAL PRODUCT	.00	.00
RUBBER AND MISC PLASTIC PRODUCT	.00	.00
RUBBER PRODUCTS	.00	.00
MISCELLANEOUS PLASTIC PRODUCT	.00	.00
LEATHER PRODUCTS	.00	.00
LEATHER TANNING AND FINISHING	.00	.00
FOOTWEAR EXCEPT RUBBER	.00	.00
ALL OTHER LEATHER PRODUCTS	.00	.00
TRANSPORTATION COMMUNICATION AND PU	.00	.00
TRANSPORTATION	.00	.00
RAILROADS	.00	.00
LOCAL AND INTERURBAN PASSENGER	.00	.00
LOCAL + INTERURBAN EXC TAXIS	.00	.00
TAXIS	.00	.00
TRUCKING AND WAREHOUSING	.00	.00
TRUCKING	.00	.00
WAREHOU	.00	.00
WATER TRANSP ATION	.00	.00
AIR TRANSPORTATION	.00	.00
PIPELINES	.00	.00
TRANSPORTATION SERVICES	.00	.00
COMMUNICATIONS + PUBLIC UTILITIES	.00	.00
COMMUNICATIONS	.00	.00
TELEPHONE	.00	.00
TELEGRAPH	.00	.00
RADIO AND TV	.00	.00
PUBLIC UTILITIES	.00	.00
ELECTRIC GAS AND STEAM	.00	.00
WATER AND IRRIGATION	.00	.00
SANITARY SERVICES	.00	.00
WHOLESALE AND RETAIL TRADE	.00	.00
WHOLESALE TRADE	.00	.00
MOTOR VEHICLES AND EQUIPMENT	.00	.00
DRUGS AND CHEMICALS	.00	.00
DRY GOODS AND APPAREL	.00	.00
GROCERIES AND RELATED	.00	.00
ELECTRIC HARDWARE AND PLUMBING	.00	.00
MACHINERY AND EQUIPMENT	.00	.00
MISCELLANEOUS WHOLESALE TRADE	.00	.00
RETAIL TRADE	.00	.00
LUMBER BUILDING AND FARM EQUIP	.00	.00
GENERAL MERCHANDISING	.00	.00
LIMITED PRICE STORES	.00	.00
OTHER GENERAL MERCHANDISING	.00	.00
FOOD AND DAIRY STORES	.00	.00
AUTO DEALERS AND GAS STATIONS	.00	.00
AUTO AND ACCESSORY DEALERS	.00	.00
GAS STATIONS	.00	.00
APPAREL AND ACCESSORIES	.00	.00
FURNITURE AND APPLIANCES	.00	.00
EATING AND DRINKING PLACES	.00	.00
MISCELLANEOUS RETAIL STORES	.00	.00
DRUG STORES	.00	.00
OTHER RETAIL STORES	.00	.00
FINANCE INSURANCE AND REAL ESTATE	.00	.00
FINANCE	.00	.00
BANKS AND CREDIT AGENCIES	.00	.00
SECURITY AND INVESTMENT SERVICE	.00	.00
INSURANCE	.00	.00
REAL ESTATE	.00	.00
SERVICES	.00	.00
HOTELS AND OTHER LODGING PLACES	.00	.00
OTHER PERSONAL SERVICES	.00	.00
LAUNDRY CLEANERS AND VALET	.00	.00
ALL OTHER PERSONAL SERVICES	.00	.00
MISCELLANEOUS BUSINESS SERVICE	.00	.00
ADVERTISING	.00	.00
OTHER MISC BUSINESS SERVICES	.00	.00
AUTO REPAIR SERVICES	.00	.00
OTHER REPAIR SERVICE	.00	.00
MOTION PICTURES AND THEATRES	.00	.00
MISC ENTERTAINMENT AND RECREATION	.00	.00
MEDICAL AND OTHER HEALTH SERVICES	.00	.00
HOSPITALS	.00	.00
OTHER MEDICAL AND HEALTH	.00	.00
LEGAL SERVICES	.00	.00
EDUCATIONAL SERVICES	.00	.00
NONPROFIT MEMBER ORGANIZATIONS	.00	.00
WELFARE AND RELIGIOUS ORGANS	.00	.00
OTHER NONPROFIT ORGANIZATIONS	.00	.00
PRIVATE HOUSEHOLD SERVICES	.00	.00
OTHER PROFESSIONAL AND RELAT SERV	.00	.00
ENGINEERING AND ARCHITECT SERV	.00	.00
ACCOUNTING AND BOOKKEEPING SERV	.00	.00
ALL OTHER PROFESSIONAL SERVICES	.00	.00
GOVERNMENT PUBLIC ADMINISTRATION	.00	.00
FEDERAL PUBLIC ADMINISTRATION	.00	.00
POSTAL SERVICE	.00	.00
OTHER FEDERAL PUBLIC ADMIN	.00	.00
STATE PUBLIC ADMINISTRATION	.00	.00
LOCAL PUBLIC ADMINISTRATION	.00	.00

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